

High School Course Catalog

2024-2025





Angélica M. Ramsey, Ed.D.
Superintendent of Schools
Fort Worth Independent School District
7060 Camp Bowie Blvd, Fort Worth, Texas 76116
Office 817.814.1900 | www.fwisd.org



January 9, 2024

Dear Parents and Guardians:

Welcome to the Fort Worth Independent School District, where our mission is to prepare ALL students for success in college, career, and community leadership. We're here to partner with you to make sure every student has the right opportunities for engaging and challenging learning experiences to achieve this mission.

Inside this course catalog, you'll find information that's meant to help students, parents, and school staff understand the graduation requirements for the Fort Worth Independent School District and the state of Texas. It also outlines the various courses and programs available to meet these requirements. We encourage students and parents to go through this information and collaborate closely with the student's academic advisor to create a plan for their education.

As part of the Foundation Graduation Diploma program, students are required to earn an endorsement. An endorsement allows students to tailor their studies with a sequence of four courses/credits, focusing on advanced level courses aligned with their career and college interests. There are a variety of courses available to meet each student's unique needs, including advanced placement and dual credit courses.

To make the course scheduling process easier, Fort Worth Independent School District has a user-friendly electronic system that includes pre-programmed graduation course plans. This system helps students enroll in the required courses for graduation, with a specific emphasis on their chosen endorsement. It also aids students in understanding the importance of timely course completion for certifications or licensures in specialized career fields. We recommend that students and parents begin by exploring the career and college pathways information provided in this catalog.

Making thoughtful choices about programs and courses during the secondary school years significantly increases the likelihood of successfully achieving academic and career goals. We're excited to collaborate with you and your child on this journey. If you have any questions or need guidance, feel free to reach out. Together, we'll help your child thrive academically and prepare for a bright future.

Sincerely,

Angelica M. Ramsey, Ed.D. Superintendent of Schools

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Angélica M. Ramsey, Ed.D. Superintendent of Schools Fort Worth Independent School District 7060 Camp Bowie Blvd, Fort Worth, Texas 76116 Office 817.814.1900 | www.fwisd.org



9 de enero de 2024

Queridos padres y guardianes,

Bienvenidos al Distrito Escolar Independiente de Fort Worth, donde nuestra misión es preparar a TODOS los estudiantes para el éxito en la universidad, en su carrera y en el liderazgo comunitario. Nosotros estamos aquí para trabajar con ustedes y garantizar que cada estudiante reciba las oportunidades de aprendizaje adecuadas para cumplir esa misión.

Dentro de este catálogo de cursos (*Course Catalog*), encontraran información diseñada para ayudar a los estudiantes, padres y personal escolar a comprender los requerimientos de graduación del Distrito Escolar Independiente de Fort Worth y del estado de Texas. También detalla los cursos y programas disponibles para cumplir con estos requerimientos. Les pedimos a los estudiantes y a sus padres que revisen esta información y trabajen en estrecha colaboración con el asesor académico del estudiante para desarrollar un plan para su educación.

Se requiere que los estudiantes obtengan un endoso o especialidad como parte del programa *Foundation Graduation Diploma*. Un endoso les permite a los estudiantes enfocar sus estudios para incluir una secuencia de cuatro cursos/créditos con cursos seleccionados de nivel avanzado alineados con su carrera e intereses universitarios. Hay una variedad de cursos disponibles para satisfacer las necesidades de cada estudiante, incluidos cursos de colocación avanzada y de doble crédito.

Para hacer el proceso de programación de cursos más fácil, Fort Worth ISD cuenta con un sistema electrónico fácil de usar que incluye planes de cursos de graduación preprogramados. Este sistema facilita la inscripción de un estudiante en los respectivos cursos requeridos para la graduación, con un enfoque en el endoso seleccionado. También ayuda a los estudiantes a comprender la importancia en la finalización oportuna de los cursos necesarios para calificar para certificaciones o licencias en campos profesionales especializados. Recomendamos que los estudiantes y los padres comiencen explorando la información sobre las trayectorias profesionales y universitarias proporcionada en este catálogo.

Tomar decisiones bien pensadas sobre programas y cursos durante los años de la secundaria aumenta significativamente la probabilidad de alcanzar con éxito las metas académicas y profesionales. Estamos entusiasmados de colaborar con usted y su estudiante en este viaje. Si tiene alguna pregunta o necesita orientación, no dude en contactarnos. Juntos, ayudaremos a su estudiante a prosperar académicamente y a prepararse para un futuro brillante.

Atentamente,

Angélica M. Ramsey, Ed.D. Superintendente de Escuelas

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BOARD OF EDUCATION

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Angélica Ramsey, Ed.D.

Superintendent of Schools

Cover Artwork By:

Samuel Cavazos

Leonard Middle School Art Teacher

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HIGH SCHOOL GENERAL INFORMATION

The information contained in this catalog is subject to change without notice. For the most up-to-date catalog, please visit our website at https://www.fwisd.org.

PUBLIC NOTICES

The Fort Worth ISD offers Career and Technical Education programs in the following Career Areas:

- · Agriculture, Food, and Natural Resources
- Architecture and Construction
- Arts, Audio Video Technology, and Communications (Arts A/V)
- Business, Marketing, and Finance
- Education and Training
- Energy (P-TECH Program only)
- Engineering
- Health Science
- Hospitality and Tourism
- Human Services
- Information Technology
- Law and Public Service
- Manufacturing
- Transportation, Distribution, and Logistics

Admission to the above programs is based on interest, lottery selection, age appropriateness, and class space availability.

It is the policy of Fort Worth ISD not to discriminate on the basis of race, color, religion, gender, national origin, age, sexual orientation, disability, gender identity and expression, military/veteran status, or any other basis prohibited by law in its vocational programs, services, or activities and provides equal access to the Boy Scouts and other designated youth groups as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

Fort Worth ISD will take steps to assure that the lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.

The Fort Worth Independent School District prohibits discrimination, including harassment, against any employee on the basis of race, color, religion, gender, national origin, age, sexual orientation, disability, gender identity and expression, military/veteran status, or any other basis prohibited by law. Retaliation against anyone involved in the complaint process is a violation of District policy. The following persons have been designated to handle inquiries regarding the non-discrimination policies:

Patricia Sutton	Cynthia Allen	Lisa Langston	
Director of Special Services	Title IX Coordinator	Director of UIL Compliance	
7060 Camp Bowie Blvd., Fort Worth,	7060 Camp Bowie Blvd., Fort Worth,	1501 University Dr. Fort Worth, TX	
TX 76116	TX 76116	76107	
817.814.2458	817.814.1880	817.815.7307	
Patricia.sutton@fwisd.org	Cynthia.Allen1@fwisd.org	Lisa.langston@fwisd.org	

COLLEGE AND CAREER PREPARATION

Middle School students receive guidance from a school counselor to develop a six-year graduation plan. This plan assists students in monitoring their progress toward graduation goals and post-secondary opportunities. As students enter high school, they should annually review and revise the plan as necessary.

- Gr 6 7 Begin to investigate college/career goals and objectives and to discuss interests, possible careers, Career and Technical Education (CTE) Programs of Study, Gold Seal Program and Schools of Choice (GSPOC), high school offerings, and college options.
- Gr 7 8 **Work** with parents and counselors as you create a six-year progression plan and investigate the various offerings within each of the career clusters. Select high school courses based on your chosen pathway or program selection. Review college catalogs, publications and websites. Take advantage of district programs and scholarships. Start

- researching scholarships and financial requirements. Students in grade 8 will take the PSAT8.
- Gr 9 **Review** and revise your six-year progression plan with parents and counselors. The online course progression mapping will assist students in completing necessary course work to earn certifications or licensures, where such options exist. Begin building a high school transcript. Research colleges and universities of interest. Attend the District College Night to learn more about your opportunities.
- Gr 10 **Review** and revise your six-year progression plan with parents and counselors. Participate in an individual academic conference with parent(s) and counselors to decide on courses for the 11th grade. Research colleges and universities of interest. Attend the District College Night to learn more about your opportunities. Students will take the PSAT during 10th grade.
- Gr 11 **Review** academic plans and narrow college choices. Participate in an individual academic conference with parent(s) and the senior high school counselor to decide on courses for your senior year and to discuss post-graduation plans. Attend College Night. Take the PSAT in OCTOBER (National Merit Qualifying Test) Take the SAT or ACT in the late spring. Explore scholarship opportunities.
- Gr 12 **Review** post-secondary options. Confer with counselor in early fall. Attend College Night. Take the SAT or ACT in the early fall. Send college applications early in the fall semester. Be mindful of college application deadlines. Submit housing application in the early fall. Attend financial aid programs. Send federal financial aid applications in October.

PLANNING YOUR HIGH SCHOOL CAREER

Your high school years will be a time to explore your interests for future career directions as well as to build a solid foundation of knowledge and skills through the courses you take. High school is an exciting time as you investigate who you are and what you like to do. You have control over your future. Will you make good choices? You will if you take advantage of opportunities to explore your areas of interest and to develop skills that prepare you for success in high school and beyond.

Some suggestions for beginning your plan now are...

- Discuss you interests, career possibilities, and goals with you parents, teachers, and school counselors;
- Develop good study habits and keep your grades up;
- Take core courses at the most challenging level you can handle to build on and extend your skills in reading, writing, listening, speaking, and thinking analytically;
- Take electives that will help you learn new skills and explore different career areas;
- Learn about the many different high school options available and begin to consider which one is right for you;
- Get involved in school and community activities that will help you learn;
- Talk to high school students and graduates to find out what they have learned about the future;
- Investigate colleges and universities that offer programs relating to your interests; and
- Start a savings plan to help you meet your goals.

Decisions made about courses taken in middle school are important. By paying careful attention to your course choices, students and parents can ensure that a wide range of options are available in high school. You may be asking, "Why do I need to be involved in making an Educational Plan?" That's a great question! Think about this. You gain knowledge and learn skills you will use for the rest of your life during high school. You don't have a choice about most of the courses you take; they are requirements necessary for graduation from high school. An educational plan that includes electives based on your interests can help you become whatever YOU want to become.

Core courses provide you with an academic foundation that you will use in any career you choose. Electives provide you with a variety of opportunities and experiences so you can discover where your talents and abilities lie. Career and Technical Education (CTE) courses provide you with opportunities to learn concepts and skills needed for success in your chosen career fields. You will also learn to make good decisions and set goals for your future.

EARNING COURSE CREDIT

A student in grades 9 - 12, or in a lower grade when a student is enrolled in a high school credit-bearing course, will earn credit for a course only if the final grade is 70 or above and the attendance requirements for the course are met.

When a student fails one semester of a two-semester course, the District will award credit for both semesters if the student passes the other semester with a grade high enough so that the combined average of the two semesters is 70 or higher. If the combined average of the two semesters is not at least a 70, the student will only receive credit for the semester with a 70 or higher.

CLASS RANKING, GPA-EXEMPT COURSES, WEIGHTED CLASSES, LATIN HONORS, HIGHEST RANKING GRADUATE

CLASS RANK BEGINNING WITH THE GRADUATION CLASS OF 2024

The District includes in the calculation of class rank the eight highest eligible semester grades earned in high school courses taken in grades 9 - 12 in each of the following subjects only

- · English language arts,
- Mathematics,
- Science, and
- Social Studies

If the student has earned fewer than eight eligible semester grades in one or more of these subjects in grades 9 - 12, the District shall use eligible semester grades earned before grade 9, as necessary, for a total of eight grades in each of these subjects.

The calculation of class rank excludes grades earned in or by:

- A local credit course;
- A course for which a pass/fail grade is assigned;
- Credit by examination, with, or without prior instruction;
- Distance learning and traditional correspondence courses, and
- Dual credit courses taken through a college with which the District does not have a partnership agreement.

LIST OF COURSES INCLUDED IN CLASS RANK BEGINNING WITH THE GRADUATING CLASS OF 2024

MATH COURSES

LONG COURSE TITLE	GRAD SUBJECT AREA
Algebra I (Honors, Basic, Applied Math)	Math
Algebra I (Applied Math)	Math
Algebra II (OnRamps, Honors, Basic)	Math
Geometry (Honors, Basic, Applied Math)	Math
Precalculus (Honors, OnRamps, Dual Credit)	Math
Mathematical Models with Applications	Math
Independent Study in Mathematics (First Time Taken)	Math
Logic Design Using Boolean Algebra	Math
Electrical Circuit Theory	Math
Modeling Using Computer Simulation	Math
Multivariable Calculus and Its Applications	Math
Honors Number Theory	Math
Calculus Based Statistics	Math
Dual Credit Calculus Based Statistics	Math
Honors Linear Algebra	Math
Astrophysics	Math
History of Mathematics	Math
Optics	Math
Survey of Mathematics	Math
Dual Credit Linear Algebra	Math
Independent Study in Mathematics (Second Time Taken)	Math
Ordinary Differential Equations and their Applications	Math
Independent Study in Mathematics (Third Time Taken)	Math
Astrophysics	Math
Honors Thermodynamics	Math
Advanced Quantitative Reasoning (Honors)	Math
Discrete Mathematics for Problem Solving	Math
Statistics	Math
Algebraic Reasoning	Math
AP Calculus AB (Dual Credit)	Math
AP Calculus BC (Dual Credit)	Math
AP Statistics (OnRamps)	Math
College Prep Math	Math

CTE AND TECHNOLOGY COURSES THAT SATISFY MATH REQUIREMENTS

Engineering Math (Honors)	Math
Digital Electronics (Honors, Dual Credit)	Math
Accounting II (Honors)	Math
Robotics II (Honors, Dual Credit)	Math
Discrete Mathematics for Computer Science (Honors)	Math
Applied Math for Tech Professionals (Dual Credit)	Math
AP Computer Science A	Math

SCIENCE COURSES

Biology (Applied Science, Basic, Honors)	Science
Biology (Applied Science)	Science
Aquatic Science (Dual Credit)	Science
Chemistry (Applied Science, Honors, Dual Credit, On Ramps)	Science
Physics (Applied Science, Honors, OnRamps, Dual Credit)	Science
Astronomy (Honors, Dual Credit)	Science
Earth and Space Science (OnRamps, Dual Credit)	Science
Environmental Systems	Science
Integrated Physics and Chemistry (Basic, Honors, Dual Credit)	Science
AP Biology (OnRamps)	Science
AP Chemistry (OnRamps)	Science
AP Physics C: Electricity and Magnetism	Science
AP Physics C: Mechanics	Science
AP Physics 1: Algebra Based	Science
AP Physics 2: Algebra Based (OnRamps)	Science
AP Environmental Science	Science

CTE AND TECHNOLOGY COURSES THAT SATISFY SCIENCE REQUIREMENTS

Engineering Science (Honors)	Science
Medical Microbiology (Honors, Dual Credit)	Science
Pathophysiology (Honors, Dual Credit)	Science
Scientific Research and Design (Honors, Dual Credit)	Science
Intel Science Talent Search	Science
Dual Credit Biology for Non-Science Majors + Lab	Science
Project Based in Botany and Sustainable Horticulture	Science
Dual Credit General College Physics I + Lab	Science
Dual Credit General Chemistry I + Lab	Science
Introduction to Cell Biology	Science
Interaction of Radiation with Matter	Science
Scientific Research and Design II (Honors, Dual Credit)	Science
Dual Credit Biology II for Non-Science Majors + Lab	Science

General College Physics II + Lab	Science
General Chemistry II + Lab	Science
Scientific Research and Design III (Honors)	Science
Talent Search	Science
Electrical Circuit Theory	Science
Introduction to Optics and Lasers	Science
Advanced Animal Science (Honors)	Science
Advanced Plant and Soil Science (Honors, Dual Credit)	Science
Anatomy and Physiology (Honors, Dual Credit)	Science
Food Science (Honors)	Science
Forensic Science (Honors)	Science
Principles of Technology (Honors)	Science
Engineering Design and Problem Solving (Honors)	Science
Biotechnology I (Honors)	Science
Biotechnology II	Science

SOCIAL STUDIES COURSES

World Geography Studies (Basic, Community Citizenship, Honors, Dual Credit)	Social Studies
United States Government (Dual Credit)	Social Studies
United States History Studies Since 1877 (Basic, Honors, Dual Credit)	Social Studies
United States History Studies Since 1877 (Community Citizenship)	Social Studies
World History Studies (Basic, Community Citizenship, Honors, Dual Credit)	Social Studies
Special Topics in Social Studies: Honors Latino Studies	Social Studies
Special Topics in Social Studies Latino Studies	Social Studies
Dual Credit Special Topics in Social Studies: Latino Studies	Social Studies
Ethnic Studies: African American Studies (Honors)	Social Studies
Economics with Emphasis on the Free Enterprise System and Its Benefits (Dual Credit)	Economics
AP Human Geography	Social Studies
AP Modern World History	Social Studies
AP US History (OnRamps)	Social Studies
AP Government	Social Studies
AP Macroeconomics	Economics
AP Microeconomics	Economics

ENGLISH LANGUAGE ARTS COURSES

English I (Basic, Honors)	English Language Arts
English I (Communications IV)	English Language Arts
English II (Basic, Honors)	English Language Arts
English II (Communications V)	English Language Arts
English III (Basic, Communications VI, Honors, Dual Credit, OnRamps)	English Language Arts
English IV (Basic, Communications VII, Dual Credit, OnRamps)	English Language Arts
English for Speakers of Other Languages I	English Language Arts
English for Speakers of Other Languages II	English Language Arts
AP Language and Composition	English Language Arts
AP Literature and Composition	English Language Arts
College Prep English	English Language Arts
Humanities (Honors, Dual Credit)	English Language Arts
Dual Credit Independent Study in English: American Literature	English Language Arts
Dual Credit Independent Study in English: British Literature I	English Language Arts
Dual Credit Independent Study in English: British Literature II	English Language Arts

WEIGHTED GRADE POINT AVERAGE

The District categorizes and weights courses as Tier I, Tier II, and Tier III in accordance with policy EIC (LOCAL). The Weighted GPA is used to determine local graduation honors and the highest-ranking graduate.

Tier I courses include Advanced Placement (AP) courses, dual credit courses, any courses for which a Tier I course is a prerequisite, and other rigorous District-designated courses.

Tier II courses include high school Honors courses and other courses locally designated as honor courses.

Tier III courses include all other courses not designated as Tier I or Tier II courses.

The District converts semester grade points and calculates a weighted GPA in accordance with the following chart:

Grade	TIER I	TIER II	TIER III
97 and above	5.0	4.5	4.0
94–96	4.8	4.3	3.8
90–93	4.6	4.1	3.6
87–89	4.4	3.9	3.4
84–86	4.2	3.7	3.2
80–83	4.0	3.5	3.0
77–79	3.8	3.3	2.8
74–76	3.6	3.1	2.6
71–73	3.4	2.9	2.4
70	3.0	2.5	2.0
69 or below	0	0	0

UNWEIGHTED GRADE POINT AVERAGE

The District also calculates an unweighted GPA using a simple whole-number scale.

Grade	Unweighted Simple 4.0 GPA Scale
90 – 100	4.0
80 – 89	3.0
70 – 79	2.0
69 or below	0.0

LOCAL GRADUATION HONORS

The Valedictorian and Salutatorian are the eligible students from each school with the highest and second highest ranking senior students, respectively at the end of the 5th six-weeks. To be eligible for the recognition, a student must:

- Have completed the foundation program with the distinguished level of achievement; and
- Have completed 19 credits before the first day of the school year in which graduation requirements are completed;
- Have been continuously enrolled in the same high school in the District for the entire two school years preceding graduation.

Latin honors at each District high school are awarded to students completing the foundation program with the distinguished level of achievement as follows:

Summa Cum Laude	The top highest two percent of the graduating class
Magna Cum Laude	The next highest three percent of the graduating class
Cum Laude	The next highest five percent of the graduating class

HIGHEST RANKING GRADUATE

The highest-ranking graduate is the graduating student at each high school campus with the highest rank after all six-week grades have been posted. This student will receive a Highest-Ranking Graduate Certificate and free tuition to a Texas public college or university during both semesters of the first regular session immediately following the student's high school graduation. [See §54.201 of the Texas Education Code]

STUDENT CLASSIFICATION

After the ninth grade, students are classified according to the number of credits earned toward graduation. The following chart displays the credits needed for classification. Only courses counting toward state graduation credits are included; local credit courses do not count.

Grade Level	Required State Course
Classification	Credits Earned
9th Grade	0 credits
10th Grade	6 credits
11th Grade	12 credits
12th Grade	19 credits

AUTOMATIC ADMISSION INTO FOUR-YEAR PUBLIC UNIVERSITIES AND COLLEGES IN TEXAS

For two school years following his/her graduation, a district student who graduates in the top ten percent, and in some cases, the top 25 percent, of his or her class is eligible for automatic admission into four-year public universities and colleges in Texas if the student:

- Completes the distinguished level of achievement under the foundation graduation program. This means that a student must graduate with at least one endorsement and must have taken Algebra II as one of the four required math courses.
- Completes the ACT College Readiness Benchmarks or earns a minimum score on the SAT as determined by the State.

The student must submit a completed application for admission in accordance with the deadline established by the college or university.

The University of Texas at Austin may limit the number of students automatically admitted to 75 percent of the University's enrollment capacity for incoming resident freshman. For students who are eligible to enroll in the University during the fall 2023 and 2024 terms, the University will be admitting the top six percent of the high school's graduating class who meet the above requirements. Additional applicants will be considered by the University through a holistic review process.

Students should contact the school counselor for further information about automatic admission, the application process, and deadlines.

THREE YEAR/ EARLY GRADUATES

Occasionally a student qualifies to graduate within three years. To qualify as a three-year graduate, the student must meet the following criteria:

- · Complete state required testing, and
- Be on target to earn enough credits to graduate in three years under the Foundation High School graduation program with endorsement.

Grade point averages for students who complete the high school graduation program requirements in fewer than four years will be figured according to the GPA chart in effect for the graduating class, regardless of the school year in which a student entered grade 9. [See EIC (LOCAL)]. The early graduate's GPA will be used to determine the class rank within the class in which the student graduates.

A student considering an early graduation is required to meet with his/her counselor to determine if he/she has completed all requirements. A Fort Worth ISD Early Graduation Request Form is to be completed by the student.

TRANSCRIPTS FOR SENIORS

Transcripts for current seniors will be distributed in September/October and at the end of January. The transcripts will include core GPA, Unweighted GPA, and Class Rank. A final transcript will be available in June after all senior grades have been posted. A student can request a transcript without class rank.

ATTENDANCE REQUIREMENTS

A high school student who is not in attendance at least 90 percent of the days the class is offered in a semester may lose credit for the course. Please see the school handbook or District Policy FEA and FEC for further information.

• Special Education Attendance – Ten days out of membership constitutes a change of instructional arrangement. Therefore, the ARD Committee shall reconvene upon recognition of a pattern of unexcused absences, but no later than the tenth unexcused absence that occurs within six months of the current school year. The committee shall put in place a plan to address the student's absences and to adjust the IEP as appropriate.

GRADING GUIDELINES

HIGH SCHOOL GRADING GUIDELINES

Calculation of Six-Weeks Grades

Grades are calculated based on weights established by the teacher and approved by the principal. The weighting system established by each teacher should be shared with students and parents annually.

A minimum number of eight grades are required to be documented each six-weeks. At least four grades must be recorded each three weeks. This does not include the six-weeks test or the semester exams.

Homework cannot count more than ten percent of the six-weeks grade. No one assignment can count more than 20% of the six-weeks grade. A teacher must include sufficient grades for each type of category to guarantee that no one assignment will be worth more than twenty percent of the six-week grade.

Example:

Category	Weight	Minimum # of Assignments Required to Ensure that No One Assignment is Worth More than 20%
Homework	10%	1
Quizzes	25%	2
Labs	45%	3
Tests	20%	1

Recording Grades in FOCUS

Teachers must post grades to FOCUS and provide feedback to students within five school days from the day a student turns in an assignment. The date the student turns in an assignment is day 0. Complex assignments, essays, or assignments that require extensive teacher feedback may require up to seven school days to return to students and post in the online grade book. Any deviation from this procedure requires principal approval and notification to students.

Semester Exams

All high school students are required to take a semester examination and/or complete a culminating activity in each course. The grade earned on the semester exam or culminating activity is worth 1/7 of the semester grade.

Middle school students enrolled in high school courses will be required to take a semester exam or complete a culminating activity. The semester exam or culminating activity grade will be worth 1/7 of the semester grade.

Calculation of Semester Grades

The grade the student earns on the semester examination or culminating activity will be used to determine the semester grade for the course. The semester grade for students with six reporting periods will be calculated as follows:

1st Six Weeks Grade	2/7 of Semester Grade (28.5%)
2 nd Six Weeks Grade	2/7 of Semester Grade (28.5%)
3 rd Six Weeks Grade	2/7 of Semester Grade (28.5%)
Semester One Exam	1/7 of Semester Grade (14.5%)
4 th Six Weeks Grade	2/7 of Semester Grade (28.5%)
5 th Six Weeks Grade	2/7 of Semester Grade (28.5%)
6 th Six Weeks Grade	2/7 of Semester Grade (28.5%)
Semester Two Exam	1/7 of Semester Grade (14.5%)

Example:

Item	Grade	Weight	Points
1 st Six Weeks	92	2/7 (28.5%)	26.2
2 nd Six Weeks	85	2/7 (28.5%)	24.2
3 rd Six Weeks	80	2/7 (28.5%)	22.8
Semester One Exam or Culminating Activity	78	1/7 (14.5%)	11.3
First Semester Grade			84.6 = 85

Semester Exam Exemptions

A senior student may be granted an exemption from taking the semester exam during the second semester (spring semester) if the student:

- Has maintained a grade of 85 or higher in the course for the spring semester (calculated by averaging the 4th, 5th, and 6th six-weeks grades up until the semester exam); and
- Has not been suspended or assigned to an alternative program during the entire school year.

Redoing Assignments or Retaking Tests

Board Policy allows a student who receives a failing grade on a test or assignment, except for semester exams, the opportunity to redo the assignment or retake the test. The student or parent must initiate the request according to the following parameters:

- The student and/or parent must request to redo an assignment or retake a test within five days from the earlier of the date the assignment or test was returned to the student or grade entered into the student grading system.
- The student will be provided an opportunity for tutoring or re-teaching prior to retesting. This may occur during class time, before or after school, or at another time agreed upon by the teacher and student.
- A teacher may require the student to complete missed homework, test corrections, or other items as part of the reteaching process.
- A student must redo the assignment or retake the test within five school days from the earlier of the date the assignment or test was returned to the student or the date the grade was entered into the student grading system.
- A teacher may provide longer than five school days if necessary.
- Assignments offered for redo or retaken tests may be different from the original assignment or test so long as the concepts/content assigned or tested are the same.
- Re-testing or redo assignment guidelines do not apply to grades received due to failure to adhere to the established late work guidelines approved by the principal and disseminated to students.
- Any retests will be administered on campus.
- The grade the student receives on the redone assignment or retaken test will be no higher than a 70.
- A failed semester exam cannot be retaken.

HIGH SCHOOL ASSESSMENTS

HIGH SCHOOL TESTING REQUIREMENTS

In addition to the high school graduation course requirements, the state has mandated testing requirements.

Texas English Language Proficiency Assessment System (TELPAS)

The Texas English Proficiency Assessment System (TELPAS) is an English language proficiency assessment aligned to the Texas English Language Proficiency Standards (TLPS). This assessment is designed to assess the progress that emergent bilingual (EB) students make in learning the English language. TELPAS assesses English language proficiency in direct alignment of the ELPs. It measures the ELPS student expectations in accordance with the levels of English language proficiency defined in the Proficiency Level Descriptors (PLDs). TELPAS fulfills federal requirements for assessing EB students in kindergarten through grade 12 in four language domains: listening, speaking, reading, and writing.

Students in grades K-12 identified as EB upon enrollment in FWISD are required to participate in TELPAS assessment annually until reclassification is met. For more information regarding reclassification, please visit the parent or educator portal of the TXEL.org website.

The assessment components for students in grades 2 – 12 include online listening and speaking tests and reading and writing tests. In the spring of 2023, TELPAS transitioned to include a combined online reading and writing test. This transition eliminated the need for districts to holistically rate writing samples for students, unless the student is eligible for a special administration for TELPAS writing.

High School STAAR End of Course (EOC) Requirements

The following high school courses require a STAAR EOC exam:

English Language Arts	<u>Mathematics</u>	<u>Science</u>	Social Studies
English I and English II	Algebra I	Biology	US History

OPTIONAL HIGH SCHOOL TESTING

Credit by Examination

A Credit by Examination (CBE) is an exam a student can choose to take to earn credit for a course in which the student has not received instruction or retrieve/earn credit for a course in which the student has had prior instruction. District-wide exams are administered multiple times per year. The student can also take a CBE to satisfy a prerequisite for a course. The CBE must be taken and passed prior to the beginning of the school year. There may be a fee for the exam. See the school counselor for more information.

Successful course credit will be indicated on the transcript with the actual grade earned, but the grade will not be used in the calculation of GPA. If credit is not awarded, documentation of the examination will be placed in the student's academic achievement folder.

With Prior Instruction

A student can take a CBE when the student has had prior instruction and when:

- The student is enrolling in the District from a non-accredited school or home school; or
- The district needs to determine the proper placement of the student; or
- The student failed a subject or course; or
- The student has earned a passing grade in a subject or course but failed to earn credit due to excessive absences.

To receive credit for the course, a student must score a 70 or above on the CBE. Examinations will assess the student's mastery of the essential knowledge and skills and will be administered according to established District procedures.

For eligible SPED students, the ARD will determine the scope of the examinations if credit has been awarded for courses where content has been modified significantly and taught by Special Education. Satisfactory performance on these exams will be established by the student's ARD committee.

Prior to offering a student an opportunity to demonstrate mastery or to earn credit by this method, an appropriate District employee will review the student's educational record to determine whether the student has had prior instruction in the subject or course.

Without Prior Instruction

Students can take a Credit by Exam to earn credit for a course without prior instruction. No prior instruction is defined as having no formal instruction in the specific course content and/or grade for which the examination is given. In order to receive credit, a student must earn a score of 80 or above. Award of credit for a two-semester course is based upon successful passing scores on CBEs for both semesters.

Students will only be administered the tests for which they have an official registration verified and signed by their counselor. Students cannot register to take a CBE while concurrently enrolled in the course for which they are taking the exam. CBEs are not recognized by the NCAA for athletic eligibility purposes.

HIGH SCHOOL ACADEMIC PROGRAMS

ADVANCED LEVEL COURSES

The District provides an array of appropriately challenging learning experiences for students. Secondary students who are formally identified as gifted/talented and those with the potential to achieve at higher levels are expected to take advanced level courses that are commensurate with their abilities and interests.

Honors, AP, International Baccalaureate (IB), Advanced Technical Credit (ATC), OnRamps courses, and Dual Credit courses are described in the course description section with specific course requirements for enrollment. All students enrolled in these advanced courses must be enrolled in the course no later than 10 days from the first day of class or within 10 days of the student enrolling in the school.

Exit Procedures for Advanced Level Courses

Prior to the end of the first six weeks of the course, a student-parent-teacher conference must be held for students failing to maintain a passing grade of 70. Options to be discussed at the conference include:

- developing a plan for the improvement of the student's performance that includes alternative instructional strategies, tutorials, and specific target dates for progress reports to student and parent; or
- exiting the student from the course and placing the student in another appropriate course.

Any recommendations to move students from Honors, OnRamps, AP, or IB courses after the first six weeks of instruction are to be made only after a conference, which includes student, teacher, parent, coordinator, and principal.

Student Schedule Change

Students may request a course change within the first ten days of school if on a traditional schedule, or first five days of school if on a block schedule.

An Add/Drop request made after the tenth day of class (or after five days if on a block schedule), will result in a grade of 60 being reported on the transcript and calculated into the GPA unless there are extenuating circumstances approved by the school principal or designee.

For extenuating circumstances, a course request change may be made after the deadline, but no later than the 2nd or 4th six-week grading periods, with or without penalty, as determined by the principal or designee. Course changes made after the 2nd or 4th six-week grading periods will result in a grade of 60 posted to the student's transcript.

OPPORTUNITIES FOR COLLEGE CREDIT

Students have opportunities to earn college credit through the following methods:

- Advanced Placement (AP),
- Enrollment in an Early College High School (ECHS);
- Enrollment in a Pathways in Technology Early College High Schools (P-TECH) program;
- Enrollment in Dual Credit courses;
- Enrollment in an AP or dual credit course through the Texas Virtual School Network;
- Enrollment in OnRamps courses provided through a collaboration with UT Austin;
- Enrollment in courses taught at other colleges or universities; and
- Enrollment in Dual Credit CTE courses.

All of these methods have eligibility requirements and must be approved prior to enrollment in the course. Depending on the student's grade level and the course, a state-mandated end-of-course assessment may be required for graduation.

It is important to keep in mind that not all colleges and universities accept credit earned in all dual credit or AP courses taken in high school. Students and parents should check with the prospective college or university to determine if a particular course will count toward the student's desired degree plan.

ADVANCED PLACEMENT

The District offers more than 40 College Board Advanced Placement courses. Upon completion of an AP course, the student will take a College Board Advanced Placement exam over the contents of the course. Students who score a 3, 4, or 5 on the College Board AP Exam may receive college credit upon enrollment at a college or university. AP course offerings vary by high school. For general information about the Advanced Placement program, students and parents are encouraged to visit the following website: https://apstudents.collegeboard.org/what-is-ap

EARLY COLLEGE HIGH SCHOOL

Early College High Schools (ECHS) are open-enrollment high schools that allow students least likely to attend college an opportunity to receive both a high school diploma and either an associate degree or at least 60 credit hours toward a baccalaureate degree. Early College High Schools:

- Enroll Historically underserved students, targeting at-risk and economically disadvantaged
- Provide dual credit at no cost to students
- Offer rigorous instruction and accelerated courses
- Provide academic and social support services to help students succeed
- Provide students with highly personalized attention
- Increase college readiness
- Partner with Texas institutions of higher education (IHEs) to reduce barriers to college access

P-TECH PROGRAM

Pathways in Technology Early College High Schools (P-TECH) are innovative open-enrollment high schools that allow students least likely to attend college an opportunity to receive both a high school diploma, an associate degree or at least 60 credit hours and industry certifications and credentials. The hallmark of the P-TECH model is its career focus and the provision of work-based education. P-TECH programs:

- · Enroll historically underserved students, targeting at-risk and economically disadvantaged
- Provide students grade 9 through 12 the opportunity to complete a course of study that combines high school and post-secondary courses
- Enable students to earn a high school diploma, along with an associate degree, Level 1 or Level 2 certificate, or industry-based certification within six years
- Offer age-appropriate work-based learning opportunity in every grade level
- Allow students to gain work experience through an internship, apprenticeship, or other job training program
- · Align to regional workforce needs, guiding students into high-demand, high-wage careers
- Partner with Texas Institutions of Higher Education (IHEs) and regional businesses and industries, giving students
 access to post-secondary education and workforce training opportunities

DISTANCE LEARNING AND CORRESPONDENCE COURSES

Distance learning and correspondence courses include courses that meet the state-required essential knowledge and skills but are taught through multiple technologies and alternative methodologies such as mail, satellite, internet, video-conferencing, and instructional television.

If a student wishes to enroll in a correspondence course or a distance learning course that is not provided through the Texas Virtual School Network (TxVSN) as described below, the student must receive written permission from the principal prior to enrolling. Not all correspondence courses meet state-requirements and thus prior approval is required. Grades earned in these courses are recorded on the transcript but are not used in the calculation of GPA.

DUAL CREDIT

High school students may be eligible to earn college credit while still in high school by enrolling in dual credit courses. A variety of dual credit course options are available. Dual credit courses may be offered at:

- Some high school campuses with the courses taught by an approved high school or college instructor;
- Tarrant County College sites through Dual Credit Academies;
- Various campus sites: Tarrant County College District and Texas Wesleyan University, taught by college instructors;
- An online dual credit program taught through TCC Connect is available in specific circumstances.

To be eligible for enrollment in college courses and also be awarded credit toward high school state graduation requirements, a student must meet qualifications set by the District and the participating institution, select courses approved by the District, and have approval of the high school principal. Post-secondary Success Specialists will provide students with current information regarding approved dual credit courses. Grades earned in dual credit courses are used in the calculation of the high school grade point average.

DUAL ENROLLMENT – OnRAMPS UT AUSTIN PROGRAM

OnRamps is a dual-enrollment program that bring rigorous courses aligned with the high standards and expectations of the University of Texas at Austin. The program uses a dual-enrollment model. Using a hybrid delivery approach, students meet rigorous university-level college readiness standards and have the opportunity to earn UT Austin credit from a UT faculty member and high school credit from their local teacher. Dual-enrollment through UT OnRamps allows students to earn college credit while in high school and is different from Dual Credit. OnRamps courses will transfer to any public college or university.

- The OnRamps Dual Enrollment Program allows high school students to experience college academic rigor by taking actual college exams created by a UT professor.
- Dual enrollment students receive two grades: one from the high school teacher and one from the UT professor; dual credit students receive the same grade earned in high school on their college transcripts.
- Dual enrollment students may *choose* to have the college grade transcripted on their UT transcripts; Dual credit students' grades *will* be recorded on the college transcripts.

TEXAS VIRTUAL SCHOOL NETWORK (TxVSN)

The Texas Virtual School Network (TxVSN) has been established by the state as one method of distance learning. A student has the option, with certain limitations, to enroll in a course offered through the TxVSN to earn course credit for graduation. There may be fees to take courses through the TxVSN. Grades earned in these courses are recorded on the transcript but are not used in the calculation of GPA. Students should see their counselor for more information.

AVID

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success. Scheduled during the regular school day as a year-long course, AVID strengthens academic skills and builds strategies for post-secondary success. Students engage in rigorous curriculum while being provided supports with writing and research skills, organization, and study skills along with experiencing a college-going culture. Additionally, the AVID class provides access to information about colleges and universities through college field trips, guest speakers, tutors, college exam practice and testing, scholarship information and opportunities, and college admission information.

DYSLEXIA & RELATED DISORDERS

Students identified by the Dyslexia Services Department are eligible for certain courses and other support services. Questions or concerns should be brought to the attention of the diagnostician, school counselor or principal.

UNIVERSITY INTERSCHOLASTIC LEAGUE (UIL) NO PASS, NO PLAY WAIVERS

A student shall be suspended from participation in any extracurricular activity sponsored or sanctioned by the District or the UIL after a grade evaluation period in which the student received a grade lower than a 70 in any class other than Exempt Courses. An Exempt Course is an AP, Honors, or a dual credit course in the subject areas of English language arts, mathematics, science, social studies, economics, or a language other than English. Districts can identify additional honors courses.

ENGLISH AS A SECOND LANGUAGE (ESL)

FWISD offers numerous ESL courses and support services. Placement and eligibility for ESL services and courses are determined by the recommendation of the Campus Language Proficiency and Assessment Committee (LPAC) after a student has been identified as an Emergent Bilingual and parent permission has been received to provide ESL services.

WORLD LANGUAGES

To meet the needs of an ever-growing global economy, FWISD offers students the opportunity to study multiple languages. For Native Spanish Speakers, there are several opportunities to earn high school credit, and in some cases even qualify for college credit while in middle school.

SPECIAL EDUCATION AND SECTION 504

All students must meet credit, curriculum, and assessment requirements in order to graduate from a Texas public school. Students with disabilities may participate in a graduation ceremony after completing four years of high school (TEC § 28.025 (f)). Special Education offers specially-designed instruction through a full continuum of services ranging from support in the general education classroom to those offered through self-contained learning environments. A student's graduation plan, developed by the ARD/IEP Committee, determines how the student will meet credit and curriculum requirements prescribed by the state and local education agency.

Helpful websites and other links:

19 Tex. Admin. Code § 89.1070

Commissioner's Rules Concerning Supplemental Special Education Services Program

SPED Grad Flow Chart (5).pdf

HIGH SCHOOL DIPLOMA PROGRAM AND COLLEGE SCHOLARSHIPS

Informed decisions regarding the development of a student academic portfolio towards a graduation program and successful completion of course work will assist students in qualifying for college scholarships. The Foundation High School Graduation Program completed with the required endorsements may qualify a student for a variety of academic and athletic scholarships at colleges and universities. Additional information is available at these websites www.collegeforalltexans.com and www.gentx.org.

Websites for further college research:

http://www.collegeforalltexans.com/ www.collegeboard.org www.achievetexas.org www.act.org www.eligibilitycenter.org www.ncaa.org www.fafsa.ed.gov gentx.org

NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA) ELIGIBILITY

National Collegiate Athletic Association (NCAA) eligibility standards specify core courses that students must have successfully completed. Each individual high school has a list of the courses that qualify for the Division I (16 Core-Course Rule) and Division II (16 Core-Course Rule). Talk with your counselor or find your school list on the NCAA website. High school classes taken in Grade 8 may also qualify to count as a core course. Only NCAA core courses are used in the calculation of the student's grade point for NCAA eligibility; SAT or ACT test scores are also required.

FOUNDATION GRADUATION PLANS

Every student in a Texas public school who entered grade 9 in the 2014–15 school year and thereafter will graduate under the "foundation graduation program." Within the foundation graduation program are "endorsements," which are paths of interest that include Science, Technology, Engineering, and Mathematics (STEM); Business and Industry; Public Services; Arts and Humanities; and Multidisciplinary Studies. The foundation graduation program also allows for a "distinguished level of achievement," which reflects the completion of at least one endorsement and Algebra II as one of the required advanced mathematics credits. The criteria for earning these performance acknowledgments are prescribed by state rules, and the school counselor can provide more information about these acknowledgments.

Fort Worth ISD offers three (3) Graduation Plans for students entering high school in or after 2014:

1. Distinguished Level of Achievement (DLA) - 26 credits (Recommended for all students)

To earn the DLA:

- You are required to take at least 4 courses (4 credits) in a sequence specific to at least one Endorsement.
- You are required to take Algebra II.

You may also earn Performance Acknowledgements.

The DLA makes you a more competitive applicant at the most selective colleges and universities

The DLA positions you to be among those first in line for a Texas Grant and other financial aid options.

The DLA prepares you better for coursework at community/technical colleges or universities.

The DLA develops a strong foundation to successfully complete an industry workforce credential or college degree.

Foundation High School Program + Endorsements - 26 credits

To earn the Foundation Degree PLUS Endorsements:

 You are required to take at least 4 courses (4 credits) in a sequence specific to at least one Endorsement. You may also earn Performance Acknowledgements.

3. Foundation High School Program - 22 credits (Only available after the completion of sophomore year)

To earn the basic Foundation Degree:

You must have selected this option only after completing your sophomore year.

You may also earn Performance Acknowledgements.

Endorsements and Performance Acknowledgments are available to all students.

Endorsements are made up of four courses or four or more credits taken in a coherent sequent providing advanced or more in-depth knowledge and skills in a curriculum area. Middle school students should explore career information related to the endorsement areas listed below so they may begin to think about what areas they will want to take more in-depth coursework during their educational career in high school.









Note: High school courses needed to satisfy an endorsement may also be used to satisfy foundation named course subject requirements. Students may enroll in courses under more than one endorsement before the student's junior year.

Performance Acknowledgements will be noted on the student's transcript and diploma to note a student's outstanding performance in areas such as Dual Credit; Bilingualism and Biliteracy; AP or IB exams; PSAT, ACT-Aspire, SAT or ACT testing; or Certifications and Licensures.

	Foundation Program 22 Credits	Foundation + Endorsements 26 Credits	Distinguished Level of Achievement (Recommended for All students) 26 Credits
ELA 4 Credits	 English I English II English III One advanced English course 	English I English II English III One advanced English course	English I English II English III One advanced English course
MATH 3-4 Credits	Algebra IGeometryAdditional math course	 Algebra I Geometry Additional math course Additional math course toward Endorsement 	 Algebra I Geometry Algebra II * Additional math course toward Endorsement
SCIENCE 3-4 Credits	BiologyIPC or Chemistry or PhysicsAdditional science course	 Biology IPC or Chemistry or Physics Additional science course Additional science course toward Endorsement 	 Biology IPC or Chemistry or Physics Additional science course Additional science course toward Endorsement
SOC STUD 4 Credits	 World/Human Geography World History or Ethnic Studies US History Government & Economics or Personal Financial Literacy & Economics 	World/Human Geography World History or Ethnic Studies US History Government & Economics or Personal Financial Literacy & Economics	 World/Human Geography World History or Ethnic Studies US History Government & Economics or Personal Financial Literacy & Economics
NON-CORE 8 – 10 Credits	 2 credits, World Language *** 1 credit, Physical Education ** 1 credit, Fine Arts 0.5 credit, Health 0.5 credit, Speech 3 credits, Electives 	 2 credits, World Language *** 1 credit, Physical Education ** 1 credit, Fine Arts 0.5 credit, Health 0.5 credits, Speech 5 credits, Electives 	 2 credits, World Language *** 1 credit, Physical Education ** 1 credit, Fine Arts 0.5 credit, Health 0.5 credit, Speech 5 credits, Electives

Miscellaneous	Available Endorsements****:
	Science, Technology, Engineering, and Mathematics
	Business and Industry
	Public Services
	Arts and Humanities
	Multidisciplinary Studies

^{*} In order to obtain the distinguished level of achievement under the foundation graduation program, which will be denoted on a student's transcript and is a requirement to be considered for automatic admission purposes to a Texas four-year college or university, a student must complete an endorsement and take Algebra II as one of the 4 mathematics credits.

^{**} A student who is unable to participate in physical activity due to a disability or illness may be able to substitute a course in English language arts, mathematics, science, social studies, or another locally determined credit-bearing course for the required credit of physical education. This determination will be made by the student's ARD committee, Section 504 committee, or other campus committee, as applicable.

^{***} Students are required to earn two credits in the same language other than English to graduate. Any student may substitute approved computer-programming languages for these credits. In limited circumstances, a student may be able to substitute this requirement with other courses, as determined by a district committee authorized by law to make these decisions for the student.

^{****} A student must specify upon entering grade 9 the endorsement he or she wishes to pursue.

FWISD/Texas Graduation Requirements: Foundation High School Program for Students Entering Grade 9 in 2014-2015 and Thereafter

Foundation Courses Required = 22 plus 4 for an Endorsement = 26 credits for graduation. Each Endorsement is to consist of a coherent sequence of courses totaling 4 to 5 credits.

English (4 Credits) Three of the credits must consist of: English I, II, and III

(May substitute AP Language & Composition, AP Literature & Composition, OnRamps English, IB Language and Literature, or Dual Credit English Composition for English III)

Students with limited English proficiency who are at the beginning or intermediate level of English language proficiency may satisfy the English I and II requirements by successfully completing English I and II for Speakers of Other Languages

The 4th credit may be selected from 1 full credit or a combination of 2 half credits from 2 different courses, subject to prerequisite requirements:

English IV
Research & Technical Writing
Humanities
AP Language and
Composition
AP Literature and Composition
OnRamps English
IB Language and Literature
Business English
College Preparatory English
(Integrated Reading & Writing)
Eligible Dual Credit English
substitutions*

*See the English section for a complete list of Dual Credit Substitutions.

Mathematics (3 credits; 4 credits for endorsement)

Two of the credits must include: Algebra I & Geometry

The additional credit may be selected from 1 full credit or a combination of 2 half credits from 2 different courses, subject to prerequisites from this list **OR** from the fourth credit list further below.

Mathematical Models w/Applications Mathematical Applications in Agriculture, Food, and Natural Resources; Digital Electronics; Robotics Programming and Design; Financial Mathematics;

Applied Mathematics for Technical Professionals; Accounting II

Manufacturing Engineering Technology II; Robotics II

Four math credits are required for an endorsement. Algebra II is required for the Distinguished Level of Achievement

The additional credit may be selected from 1 full credit or a combination of 2 half credits from 2 different courses, subject to prerequisites:

Algebra II Precalculus

Advanced Quantitative Reasoning Independent Study in Mathematics Discrete Math for Problem Solving

Algebraic Reasoning

Statistics

AP Computer Science A

IB Computer Science Higher Level

Engineering Mathematics

Statistics & Business Decision Making Mathematics for Medical Professionals Discrete Math for Computer Science

AP Statistics AP Calculus AB AP Calculus BC

IB Applications and Interpretation, Year 1 IB Analysis and Approaches, Year 1

IB Analysis and Approaches, Year 2

College Preparatory Math OnRamps PreCalculus OnRamps Statistics

OnRamps College Algebra

Eligible Dual Credit math substitutions*

*See the Math section for a complete list of Dual Credit Substitutions.

Science (3 credits: 4 credits for endorsement)

Three of the credits to include:

One Biology credit:

Biology, AP Biology, or IB Biology

One credit to be selected from the following laboratory-based courses:

Integrated Physics & Chemistry; Chemistry, AP Chemistry, IB Chemistry, OnRamps Chemistry, or Dual Credit Chemistry; Physics, OnRamps Physics, AP Physics I, IB Physics, or Dual Credit Physics; Principles of Technology

Four science credits are required for an Endorsement.

The additional credit may be selected from 1 full credit or a combination of 2 half credits from 2 different courses, subject to prerequisites:

Chemistry Physics

Aquatic Science

Astronomy

Earth & Space Science Environmental Systems Advanced Animal Science

Advanced Plant and Soil Science

Anatomy & Physiology Medical Microbiology Pathophysiology

Food Science Forensic Science

Biotechnology I and II Principles of Technology

Scientific Research & Design

Engineering Design & Problem Solving

Engineering Science

AP Biology

AP Chemistry

AP Physics I

AP Physics 2

AP Physics C – Mechanics

AP Physics C - E&M

AP Environmental Science

IB Biology, Year 1 and Year 2 IB Physics, Year 1 and Year 2

OnRamps Physics, OnRamps Physics II

OnRamps Chemistry I, OnRamps Chemistry II

OnRamps Biology,

OnRamps Earth & Space Science

Dual Credit science courses*

*See the Science section for a complete list of Dual Credit Substitutions.

FWISD/Texas Graduation Requirements: Foundation High School Program

Foundation Courses Required = 22 plus 4 or 5 for an Endorsement = 26 credits for graduation Each Endorsement is to consist of a coherent sequence of courses totaling 4 to 5 credits

Social Studies (4 Credits) Must consist of:

3 credits of the following:

World Geography Studies OR AP Human Geography OR **Dual Credit World Geography**

U.S. History Studies Since 1877 OR AP U.S. History OR Dual Credit US History OR OnRamps US History OR

U.S. Government OR AP U.S. Government OR Dual Credit U.S. Government (1/2 credit)

Economics OR Personal Financial Literacy & Economics OR AP Microeconomics OR AP Macroeconomics OR Dual Credit Economics (1/2 credit)

1 credit selected from the following:

World History OR AP Modern World History OR Dual Credit World History OR Ethnic Studies course pairing STSS: African and African-American Perspectives and Historical Contributions (.5 credits) AND STSS: Latino/a Studies (.5 credits)

Physical Education (1 Credit)

May be selected from the following: PE courses; or PE substitutions; or District-Approved Off Campus Programs; or

2 credits

The credits may be selected from: Any two levels in the same language; or Two credits in computer programming languages selected from Computer Science I, II, and III, AP Computer Principles, or AP Computer Science A, IB Computer Science Standard Level and IB Computer Science Higher Level;

If a student, in completing the first credit of LOTE, demonstrates that the student is unlikely to be able to complete the second credit, the student may substitute another appropriate course as follows:

- **Special Topics in Language and Culture**
- Another credit selected from a different LOTE
- Computer programming languages, including computer coding

The determination regarding a student's ability to complete the second credit of LOTE must be agreed by:

- The teacher of the first LOTE course, the principal or designee, and the student's parent;
- The ARD or 504 committee, if applicable

A student, who due to a disability, is unable to complete 2 credits in the same LOTE, may substitute a combination of 2 credits from ELA, math, science or social studies (can be from 1 area or 2 areas) or 2 credits in CTE or technology applications for the LOTE requirement. (Cannot combine a credit from the ELA, math, science, and social studies areas with a credit from the CTE/technology applications area.) The determination regarding the student's ability to complete the LOTE requirement will be made by the ARD or 504 committee, as applicable.

Fine Arts (1 credit) Credit may be from the following courses:

Art, Level I, II, III, or IV; Dance, Level I, II, III, or IV; Music, Level I, II, III, or IV; **Musical Studies** Music Theory **Music Production** Music & Media Communications AP Music Theory Theatre, Level I, II, III, or IV; Musical Theatre, Level I, II, III, or IV; Technical Theatre, Level I, II, III, or IV; Floral Design; Digital Art and Animation 3-D Modeling and Animation

Approved Dual Credit PE Courses

Health (0.5 Credit) FWISD Requirement

May be selected from the following: Health (0.5 credit) or Principles of Health Science (1 credit) or Honors Principles of Health Science or Approved Dual Credit Health Course

Speech (0.5 Credit) FWISD Requirement

May be selected from the following: Communications Applications; Professional Communications; Debate I (or Honors) **Public Speaking** Independent Study in Speech or Approved Dual Credit Speech Course

Elective Credits may be selected from:

State approved TEKS courses for grades 9 – 12;

State approved innovative courses (these courses only meet elective requirements and will not meet state specific named course requirements); Junior Reserve Officer Training Corp (1 – 4 credits); or

Reading I, II, and III based on assessed individual needs (up to 3 credits)

Available Endorsements

Science, Technology, Engineering, and Mathematics **Business and Industry Public Services** Arts and Humanities Multidisciplinary Studies

SCIENCE, Includes courses directly Must complete Algebra II, Chemistry, Physics or Principles of TECHNOLOGY, related to: Technology, and one of the following: ENGINEERING, AND Science, including 1. A coherent sequence of courses for 4 or more credits in MATH (STEM) environmental CTE that consists of at least 2 courses in the same career cluster and at least 1 advanced CTE course. The final science CTE Technology course in the sequence must be selected from the STEM courses, including career cluster. See CTE Programs of Study Alignment to Computer Science **Endorsements** on the tea.texas.gov site. Engineering 2. A coherent sequence of four credits in selected Computer Math Science courses. 3. A total of 5 credits in Math by successfully completing Algebra I, Geometry, Algebra II, and 2 additional Math courses for which Algebra II is a prerequisite. 4. A total of 5 credits in science by successfully completing biology, chemistry, physics, and 2 additional Science courses. 5. In addition to Algebra II, Chemistry, and Physics, a coherent sequence of 3 additional credits from no more than two of the three areas listed in 1, 2, 3, and 4 above. **BUSINESS AND** Includes courses directly Must complete one of the following: **INDUSTRY** related to: Coherent sequence of courses for 4 or more credits in CTE. Agriculture, Food, The final course in the sequence must be selected from one of the courses listed to the left. See CTE Programs of & Natural Study Alignment to Endorsements on the tea.texas.gov Resources Architecture & Construction 2. Four English elective credits by selecting three levels in one of the following areas: Arts, Audio/Video Technology, & Advanced Broadcast Journalism Communications Advanced Journalism: Newspaper Business, Advanced Journalism: Yearbook Advanced Journalism: Literary Magazine Marketing & **Finance** Debate **Public Speaking** Energy 3. Four technology application credits listed below: Hospitality & Tourism 3-D Modeling & Animation Digital Art & Animation Information Technology Digital Communication in the 21st Century; Digital Design & Media Production Manufacturing Marketing Digital Video & Audio Design Transportation, Independent Study in Evolving/Emerging Distribution, & **Technologies** Web Communication Logistics Career Pre I or II Web Design Web Game Development and Project-Based Research 4. Coherent sequence of four credits from 1, 2, or 3.

PUBLIC SERVICE	Includes courses directly related to: • Education & Training • Health Sciences • Human Services • Law, Public Safety, Corrections & Security	 Must complete one of the following: Coherent sequence of courses for 4 or more credits in CTE that consists of at least two courses in the same cluster and at least one advanced CTE course. The final course in the sequence must be selected from one of the courses listed to the left. See CTE Programs of Study Alignment to Endorsements on the tea.texas.gov site. Four courses in JROTC.
ARTS & HUMANITIES	Includes courses directly related to:	 Must complete one of the following: Total of 5 social studies credits Four levels of the same language in language other than English (LOTE) Two levels of the same language in LOTE and two levels in a different language in LOTE Four levels of American Sign Language Coherent sequence of 4 credits by selecting courses from 1 or 2 categories or disciplines in fine arts or innovative courses approved by the commissioner Four English elective credits by selecting from the following:
MULTIDISCIPLINARY	Allows a student to select courses from the curriculum of each endorsement area and earn credits in a variety of advanced courses from multiple content areas sufficient to complete the distinguished level of achievement	 Must complete one of the following: Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence. Four credits in each of the four foundation subject areas to include English IV and Chemistry and/or Physics and English IV or a comparable AP or IB English course. Four credits in Advanced Placement, International Baccalaureate, or dual credit selected from English, mathematics, science, social studies, economics, languages other than English, or fine arts.

PERFORMANCE ACKNOWLEDGEMENTS

Transcripts and diplomas will include Foundation Program Performance Acknowledgements.

Students can earn performance acknowledgements for dual credit, bilingualism and biliteracy, AP or IB exams, PSAT, SAT or ACT testing, or certifications and licensures.

DUAL CREDIT	Successful completion of:		
DOME CHEDIT	At least 12 hours of college academic courses, including those taken for dual		
	credit as part of the Texas core curriculum, and advanced technical courses,		
	including locally articulated courses, with a grade of the equivalent of 3.0 or		
	higher on a scale of 4.0; or		
	2. An associate degree while in high school		
DILINICHALICM			
BILINGUALISM	Demonstrate proficiency in accordance with District grading policy in two or more		
AND	languages by:		
BILTERACY	1. Completing all English language requirements and maintaining a minimum		
	grade point average (GPA) of the equivalent of 80 on a scale of 100; and		
	2. Satisfying one of the following:		
	a. Completion of a minimum of three credits in the same language other		
	than English with a minimum GPA of the equivalent of 80 on a scale of		
	100; or		
	b. Demonstrate proficiency in the Texas Essential Knowledge and Skills		
	for Level IV or higher in a language other than English with a minimum		
	GPA of the equivalent of 80 on a scale of 100; or		
	c. Completion of at least three credits in foundation subject area courses		
	in a language other than English with a minimum GPA of 80 on a scale		
	of 100; or		
	d. Demonstrate proficiency in one or more languages other than English		
	through one of the following methods:		
	i. Score of 3 or higher on a College Board AP exam for a		
	language other than English; or		
	ii. Score a 4 or higher on an IB exam for a higher-level language		
	other than English course; or		
	iii. Performance on a national assessment of language proficiency		
	in a language other than English of at least Intermediate High		
	or its equivalent		
	In addition to meeting the requirements to earn a performance acknowledgement in		
	bilingualism and biliteracy, an English language learner must also have:		
	Participated in and met the exit criteria for a bilingual or English as a second		
	language (ESL) program; and		
	2. Scored at the Advanced High level on the Texas English Language Proficiency		
AP or IB TEST	Assessment System (TELPAS).		
AP OF IR 1521	Earn a:		
	1. Score of 3 or above on a College Board advanced placement examination.		
	2. Score of 4 or above on an International Baccalaureate examination.		

PSAT ACT-ASPIRE SAT ACT	 Score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, as part of the National Hispanic Recognition Program (NHRP) of the College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation.
	2. Achieve the ACT readiness benchmark score on at least three of the five subject tests on the ACT-ASPIRE® examination.
	3. Earn a total score of at least 1310 on the SAT®; or
	4. Earn a composite score on the ACT® examination of 28 (excluding the writing sub score)
CERTIFICATION	Earn a nationally or internationally recognized business or industry certification or
OR LICENSE	license with:
	 Performance on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification; or Performance on an examination sufficient to obtain a government-required credential to practice a profession.

Distinguished Level of Achievement

A student may earn a distinguished level of achievement by successfully completing:

- A total of four credits in mathematics, which must include Algebra II
- A total of four credits in science
- The remaining curriculum requirements
- The curriculum requirements for at least one endorsement

A student must earn a distinguished level of achievement to be eligible for top 10% automatic admission

Notations on Foundation Student Transcript

The Foundation High School transcript for a student who satisfies the applicable requirements will include the following types of achievement:

- Distinguished Level of Achievement
- Endorsements, and
- Performance Acknowledgements

Academic Preparatory Programs

AVID I (ADVANCEMENT VIA INDIVIDUAL DETERMINATION I AB) (AVID I AB)

The 9th grade AVID Elective course will serve as a review of the AVID philosophy and strategies. Students will work on academic and personal goals, communication, and adjusting to the high school setting. Students will increase awareness of their personal contributions to their learning, as well as their involvement in their school and community. There is an emphasis on analytical writing, focusing on personal goals and thesis writing. Students will work in collaborative settings, learning how to participate in collegial discussions and use sources to support their ideas and opinions. Students will prepare for and participate in college entrance and placement exams, while refining study skills and test-taking, note-taking, and research techniques. They will take an active role in field trips and quest speaker preparations and presentations. Their college research will include financial topics and building their knowledge of colleges and careers of interest.

0660 AB N1290001 Grade level: 9 HS Credit(s): 1.0 College Hour(s): N/A

Tier III

Instructional Material: Materials provided through contract with AVID Center

Prerequisites: Middle School AVID, or Application to and Acceptance into 9th Grade AVID program

AVID is a state-approved academic elective credit course.

What's next? AVID II AB (Advancement Via Individual Determination)

AVID II (ADVANCEMENT VIA INDIVIDUAL DETERMINATION II AB) (AVID II AB)

During the 10th grade AVID Elective course, students will refine the AVID strategies to meet their independent needs and learning styles. Students will continue to refine and adjust their academic learning plans and goals, increasing awareness of their actions and behaviors. As students increase the rigorous course load and school/community involvement, they will refine their time management and study skills accordingly. Students will expand their writing portfolio to include: analyzing prompts, supporting arguments and claims, character analysis and detailed reflections. Students will also analyze various documents, in order to participate in collaborative discussions and develop leadership skills in those settings. Students will expand their vocabulary use, continuing to prepare for college entrance exams. Text analysis will focus on specific strategies to understand complex texts. Lastly, students will narrow down their college and careers of interest, based on personal interests and goals.

0661 AB N1290002 Grade level: 10 HS Credit(s): 1.0 College Hour(s): N/A Tier III

Instructional Material: Materials provided through contract with AVID Center

Prerequisites: AVID I, or Application to and Acceptance into 10th Grade AVID

AVID is a state-approved academic elective credit course.

What's next? AVID III AB (Advancement Via Individual Determination)

AVID III (ADVANCEMENT VIA INDIVIDUAL DETERMINATION III AB) (AVID III AB)

The 11th grade AVID Elective course is the first part in a junior/senior seminar course that focuses on writing and critical thinking expected of first- and second-year college students. This course is organized around the theme of "Leadership as a Catalyst for Change in Society." Students study, in depth, exceptional leaders in contemporary society and examine the effect that these individuals have had on culture, politics, education, history, science and the arts. The College Hour(s): N/A course requires that students read essays, speeches, articles and letters by these leaders, as well as at least one fulllength work by the leader or about the leader. Also, each student is required to conduct a research project that is presented in the senior year. In addition to the academic focus of the AVID seminar, there are college-bound activities, methodologies and tasks that should be undertaken during the junior year to support students as they apply to fouryear universities and confirm their postsecondary plans.

0671 AB

N1290030 Grade level: 11 HS Credit(s): 1.0

Instructional Material: Materials provided through contract with AVID Center

Prerequisites: Successful completion of AVID II; No students are admitted "new" to AVID junior year without AVID District Director approval

AVID is a state-approved academic elective credit course.

What's next? AVID IV AB (Advancement Via Individual Determination)

0664 AB

N1290033 Grade level: 12 HS Credit(s): 1.0 College Hour(s): N/A

Tier III

AVID IV (ADVANCEMENT VIA INDIVIDUAL DETERMINATION IV AB) (AVID IV AB)

The AVID Elective 12th grade course is the second part in a junior/senior seminar course that focuses on writing and critical thinking expected of first- and second-year college students. This course continues around the theme of "Leadership as a Catalyst for Change in Society." Students will complete a final research essay project from research conducted in their junior year in AVID. In addition to the academic focus of the AVID senior seminar, there are college-bound activities, methodologies and tasks that should be achieved during the senior year that support students as they apply to four-year universities and confirm their postsecondary plans. All AVID seniors are required to develop and present a portfolio representing their years of work in the AVID program, as well as complete the requirements for the seminar course. The AVID Senior Seminar (AVID IV) is the culmination of a student's years in the AVID program and involves substantial critical reading and writing, and preparation for external exams. Students receive assistance in completing their college and financial aid/scholarship applications. In addition, students will make oral presentations to the class on topics related to college entrance, contemporary issues, and social concerns.

Instructional Material: Materials provided through contract with AVID Center Prerequisites: Successful completion of AVID III; no students are admitted "new" to AVID senior year without AVID District Director approval AVID is a state-approved academic elective credit course. **DUAL CREDIT COLLEGE TRANSITION AB (CLGTRN AB DC)** 0668 AB TCC Course: College Learning Framework (EDUC 1300) A study of the research and theory in the psychology of learning, cognition, and motivation; factors that impact N1290050 learning; and application of learning strategies. Theoretical models of strategic learning, cognition, and motivation Grade level: 9-12 serve as the conceptual basis for the introduction of college-level student academic strategies. Students use HS Credit(s): 1.0 assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as College Hour(s): 3 hours strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their Tier I own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned. Instructional Material: Contact Content Director Prerequisites: None This is a regular college-level Education course in which dual credit will be awarded for College Education and high school College Transition. The student will receive 3 hours college credit and 1 high school credit when completed successfully. PREPARING STUDENTS FOR ADVANCED TESTING I T (PSAT I T) 8221 T Provides students an opportunity to develop test-taking strategies for use on PSAT, SAT, and other college entrance Local Credit Only examinations. Skills addressed help improve performance on standardized tests. Includes vocabulary building, reading Grade level: 9-12 HS Credit(s): 0

College Hour(s): NA

Tier III

FOUNDATION PLANS

ENGLISH LANGUAGE ARTS GRADUATION REQUIREMENTS

ALL STUDENTS ARE REQUIRED to take English I (EOC) & English II (EOC) or EngSOL | & ||

All Foundation Plans (22 & 26 credits) Require 4 English credits

The 3rd English credit may be selected from the following:

- English III
- AP Language & Composition
- DC English Composition
- AP Literature & Composition
- OnRamps English Rhetoric & Writing 3044AB (may only take once for Eng III OR Eng IV - 1 credit)

The 4th English credit may be selected from one full credit or a combination of two half credits from two different courses, subject to prerequisite requirements.

The 4th English credit may be selected from the following:

- English IV
- Humanities
- AP Language & Composition
- AP Literature & Composition
- OnRamps English Rhetoric & Writing 3045AB (may only take once for Eng III OR Eng IV - 1 credit)
- Business English
- College Preparatory English
- · DC English Composition
- . DC Research & Technical Writing
- DC British Literature
- DC American Literature

Possible Endorsement Opportunities:

- Multidisciplinary
- Business & Industry
- Arts & Humanities

English Language Arts

English Language Arts Recommended Course Sequence and Testing Guide

	Traditional		Honors			Advanced Placement (AP) / Dual Credit (DC)	
6th	Gr 6 ELAR: 0041	STAAR Gr 6	Honors Gr 6 ELAR: 0015	Enhanced Gr 6 ELAR: 00041	STAAR Gr 6	Honors Gr 6 ELAR: 0015	STAAR Gr 6
7th	Gr 7 ELAR: 0042	STAAR Gr 7	Honors Gr 7 ELAR: 0019	Enhanced Gr 7 ELAR: 00042	STAAR Gr 7	Honors Gr 7 ELAR: 0019	STAAR Gr 7
8th	Gr 8 ELAR: 0043	STAAR Gr 8	Honors Gr 8 ELAR: 0025	Enhanced Gr 8 ELAR: 00043	STAAR Gr 8	Honors English I: 3090	Eng I EOC
9th	English I: 3011	Eng I EOC	Honors English I: 3090		Eng I EOC	Honors English II: 3092	Eng II EOC PSAT
10th	English II: 3013	Eng II EOC	Honors English II: 3092		Eng II EOC PSAT	Honors English III: 3094 Advanced ELAR	Exams vary by course
11th	English III: 3015	PSAT SAT ACT	Honors English III: 3094 AP/DC ELAR Elective or Advanced ELAR		Exams vary by course	OnRamps English (may only take once for Eng III or Eng IV – 1 credit) AP/DC ELAR Elective or Advanced ELAR	Exams vary by course
12th	English IV: 3017 College Preparatory English: 3131	PSAT SAT ACT TSI	OnRamps English (may only take once for Eng III or Eng IV – 1 credit) AP/DC ELAR Elective or Advanced ELAR		Exams vary by course	AP/DC ELAR Elective OnRamps English (may only take once for Eng III or Eng IV – 1 credit)	Exams vary by course

ENGLISH I AB	3011 AB
SHELTERED ENGLISH I AB	0546 AB
ENGLISH I AB	30115 AB
EngSOL I AB	0541 AB
Provides students opportunities to continue increasing and refining their written and oral communication skills.	03220100
Students read and learn from world literature that represents a variety of cultures. Students address reading,	
writing, research, listening, speaking, and oral and written conventions that are reflected in the TEKS.	
Instructional Material: McGraw Hill Study Sync, Grade 9 TX Std, ISBN 9781265535973; ThinkCERCA Supplemental	Grade level: 9
Resource	
Prerequisites: None	Credit(s): 1
What's Next? English II AB; Honors English II AB	College Hour(s): NA
Students will take the English I EOC.	Tier III
Teachers with an emergent bilingual student enrolled in the course must be English and ESL certified.	
HONORS ENGLISH I AB	3090 AB
SHELTERED HONORS ENGLISH I AB	3089 AB
As required by the state, this course goes beyond the TEKS in depth and complexity vertically aligned to the	03220100
Advanced Placement courses of English Language and Literature and SAT skills. This course includes enrichment	
opportunities such as research, projects, and independent study.	
Instructional Material: McGraw Hill Study Sync, Grade 9 TX Std, ISBN 9781265535973	Grade level: 9
Additional resources available through required attendance of at least 1 AP or NMSI summer institute.	Credit(s): 1
Prerequisites: FWISD is an inclusive district in that any stakeholder (teacher, student, parent, etc.) can request access	College Hour(s): NA
to our most advanced courses and have at least a provisional placement issued. There are no prerequisite	Tier II
requirements that would limit this course's availability to a student with such a request.	

What's Next? Honors English II AB Students will take English I EOC.

Teachers with an emergent bilingual student enrolled in the course must be English and ESL certified. ENGLISH II AB	3013 AB
SHELTERED ENGLISH II AB	0548 AB
ENGLISH II AB	30135 AB
EngSOL II AB	0543 AB
Provides students opportunities to continue increasing and refining their communication skills. Students read and	03220200
write literary and informational genres. Students read and learn from world literature that represents a variety of	
cultures while also learning literary forms and terms from the selections read. Students address the writing, reading,	
research, listening, speaking, oral, and written conventions that are reflected in the TEKS.	
Instructional Material: McGraw Hill Study Sync, Grade 10 TX Std, ISBN 9781265535973; ThinkCERCA Supplemental	Grade level: 9 – 10
Resource	Credit(s): 1
<u>Prerequisites:</u> English I	College Hour(s): NA
What's Next? English III AB; Honors English III AB; Humanities I AB	
Students will take English II EOC.	Tier III
Teachers with an emergent bilingual student enrolled in the course must be English and ESL certified.	
HONORS ENGLISH II AB	3092 AB
As required by the state, this course goes beyond the TEKS in depth and complexity vertically aligned to the	03220200
Advanced Placement courses of English Language and Literature and SAT skills. This course includes enrichment	
opportunities such as research, projects, and independent study.	
Instructional Material: McGraw Hill Study Sync, Grade 10 TX Std, ISBN 9781265535973	Grade level: 9 – 10
Additional resources available for teachers through required attendance at least 1 AP or NMSI summer institute.	Credit(s): 1
Prerequisites: English I or Honors English I	College Hour(s): NA
	Tion II
FWISD is an inclusive district in that any stakeholder (teacher, student, parent, etc.) can request access to our most	Tier II
advanced courses and have at least a provisional placement issued. There are no prerequisite requirements that	rier ii
advanced courses and have at least a provisional placement issued. There are no prerequisite requirements that would limit this course's availability to a student with such a request.	
advanced courses and have at least a provisional placement issued. There are no prerequisite requirements that would limit this course's availability to a student with such a request. What's Next? Honors English III AB, AP English Language and Composition, Dual Credit English, AP Literature & Com	
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advanced courses and have at least a provisional placement issued. There are no prerequisite requirements that would limit this course's availability to a student with such a request. What's Next? Honors English III AB, AP English Language and Composition, Dual Credit English, AP Literature & Com Students will take English II EOC. Course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course taught by locally certified gifted teacher who has attended at least one AP or N	position
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advanced courses and have at least a provisional placement issued. There are no prerequisite requirements that would limit this course's availability to a student with such a request. What's Next? Honors English III AB, AP English Language and Composition, Dual Credit English, AP Literature & Com Students will take English II EOC. Course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course must be English and ESL certified. ENGLISH III AB	position rse. 3015 AB
advanced courses and have at least a provisional placement issued. There are no prerequisite requirements that would limit this course's availability to a student with such a request. What's Next? Honors English III AB, AP English Language and Composition, Dual Credit English, AP Literature & Com Students will take English II EOC. Course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course Teachers with an emergent bilingual student enrolled in the course must be English and ESL certified. ENGLISH III AB SHELTERED ENGLISH III AB (EL students in Newcomer Program)	position rse. 3015 AB 0544 AB
advanced courses and have at least a provisional placement issued. There are no prerequisite requirements that would limit this course's availability to a student with such a request. What's Next? Honors English III AB, AP English Language and Composition, Dual Credit English, AP Literature & Com Students will take English II EOC. Course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course teachers with an emergent bilingual student enrolled in the course must be English and ESL certified. ENGLISH III AB SHELTERED ENGLISH III AB (EL students in Newcomer Program) SHELTERED ENGLISH III AB	position rse. 3015 AB 0544 AB 0549 AB
advanced courses and have at least a provisional placement issued. There are no prerequisite requirements that would limit this course's availability to a student with such a request. What's Next? Honors English III AB, AP English Language and Composition, Dual Credit English, AP Literature & Com Students will take English II EOC. Course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course reachers with an emergent bilingual student enrolled in the course must be English and ESL certified. ENGLISH III AB SHELTERED ENGLISH III AB (EL students in Newcomer Program) SHELTERED ENGLISH III AB ENGLISH III AB	position rse. 3015 AB 0544 AB 0549 AB 30155 AB
advanced courses and have at least a provisional placement issued. There are no prerequisite requirements that would limit this course's availability to a student with such a request. What's Next? Honors English III AB, AP English Language and Composition, Dual Credit English, AP Literature & Com Students will take English II EOC. Course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course- Teachers with an emergent bilingual student enrolled in the course must be English and ESL certified. ENGLISH III AB SHELTERED ENGLISH III AB (EL students in Newcomer Program) SHELTERED ENGLISH III AB ENGLISH III AB Provides opportunities for students to continue increasing and refining their communication skills. Students read	position rse. 3015 AB 0544 AB 0549 AB
advanced courses and have at least a provisional placement issued. There are no prerequisite requirements that would limit this course's availability to a student with such a request. What's Next? Honors English III AB, AP English Language and Composition, Dual Credit English, AP Literature & Com Students will take English II EOC. Course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course teachers with an emergent bilingual student enrolled in the course must be English and ESL certified. ENGLISH III AB SHELTERED ENGLISH III AB (EL students in Newcomer Program) SHELTERED ENGLISH III AB ENGLISH III AB Provides opportunities for students to continue increasing and refining their communication skills. Students read and write literary and informational genres. Students read extensively in multiple genres from American and World	position rse. 3015 AB 0544 AB 0549 AB 30155 AB
advanced courses and have at least a provisional placement issued. There are no prerequisite requirements that would limit this course's availability to a student with such a request. What's Next? Honors English III AB, AP English Language and Composition, Dual Credit English, AP Literature & Com Students will take English II EOC. Course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course teachers with an emergent bilingual student enrolled in the course must be English and ESL certified. ENGLISH III AB SHELTERED ENGLISH III AB (EL students in Newcomer Program) SHELTERED ENGLISH III AB Provides opportunities for students to continue increasing and refining their communication skills. Students read and write literary and informational genres. Students read extensively in multiple genres from American and World Literature while learning literary forms and terms from the selections read. Students address the writing, reading,	position rse. 3015 AB 0544 AB 0549 AB 30155 AB 03220300
advanced courses and have at least a provisional placement issued. There are no prerequisite requirements that would limit this course's availability to a student with such a request. What's Next? Honors English III AB, AP English Language and Composition, Dual Credit English, AP Literature & Com Students will take English II EOC. Course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course teachers with an emergent bilingual student enrolled in the course must be English and ESL certified. ENGLISH III AB SHELTERED ENGLISH III AB (EL students in Newcomer Program) SHELTERED ENGLISH III AB Provides opportunities for students to continue increasing and refining their communication skills. Students read and write literary and informational genres. Students read extensively in multiple genres from American and World Literature while learning literary forms and terms from the selections read. Students address the writing, reading, speaking, listening, viewing, and representing skills that are reflected in the TEKS.	position rse. 3015 AB 0544 AB 0549 AB 30155 AB 03220300 Grade level: 10 – 11
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<u>Instructional Material:</u> Selected and provided by the University of Texas at Austin

<u>Prerequisites:</u> English I, English II, and teacher recommendation – may only take OnRamps English Rhetoric &

Writing once for 1 credit – Either an English III OR an English IV credit.

What's Next? Dual Credit English Composition; Dual Credit Research/Technical Writing; AP English Language and Composition; AP English Literature and Composition

OnRamps ENGLISH RHETORIC & WRITING AB	3045 AB
This Rhetoric and Writing course provides opportunities for students to learn to analyze the various positions held	03220400
in any public debate and learn to advocate their own positions effectively. Students explore the ethics of	
argumentation and what it means to "fairly" represent someone with whom they disagree. Students are then ready	
to analyze and compose arguments about American identity and identity formation, both personal and cultural.	
The goal is to foster students' abilities to analyze arguments presented by others and to write sound and effective	
arguments of their own — abilities that contribute meaningfully to their academic, professional, personal, and civic	
lives. Using a hybrid delivery approach, students meet rigorous university-level college readiness standards and	
have the opportunity to earn UT Austin credit from a UT faculty member and high school credit from their local	
teacher. THIS COURSE MAY COUNT FOR ENGLISH IV CREDIT.	
Instructional Material: Selected and provided by the University of Texas at Austin	Grade level: 11 - 12
<u>Prerequisites:</u> English III or AP English Language and Composition or AP English Literature and Composition –	Credit(s): 1.0
may only take OnRamps English Rhetoric & Writing once for 1 credit – Either an English III OR an English IV	College Hour(s): Up to 6
credit.	Tier I
What's Next? Any advanced English course	
HONORS ENGLISH III AB	3094 AB
As required by the state, this course goes beyond the TEKS in depth and complexity vertically aligned to the	03220300
Advanced Placement courses of English Language and Literature and SAT skills. This course includes enrichment	
opportunities such as research, projects, and independent study.	
Instructional Material: McGraw Hill Study Sync, Grade 11 TX Std, ISBN 9781265535973	Grade level: 10 – 11
Additional resources available through required attendance at least 1 AP or NMSI summer institute.	Credit(s): 1
Prerequisites: English II or Honors English II	College Hour(s): NA
FWISD is an inclusive district in that any stakeholder (teacher, student, parent, etc.) can request access to our most	Tier II
advanced courses and have at least a provisional placement issued. There are no prerequisite requirements that	
would limit this course's availability to a student with such a request.	
What's Next? Dual Credit English Composition; Dual Credit Research/Technical Writing; AP English Language Compo	sition:
AP English Literature Composition	5111011,
Course taught by locally certified gifted teacher who has attended at least one AP or NMSI Summer Institute for the course.	
Teachers with an emergent bilingual student enrolled in the course must be English and ESL certified.	
	3131 AB
COLLEGE PREPARATORY ENGLISH AB	3131 AB CP110100
COLLEGE PREPARATORY ENGLISH AB This is a College Preparatory course for seniors only intended to help students hone their skills prior to taking the	3131 AB CP110100
COLLEGE PREPARATORY ENGLISH AB This is a College Preparatory course for seniors only intended to help students hone their skills prior to taking the TSIA college placement exam. This course is stacked with 9007T in the student's schedule.	CP110100
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COLLEGE PREPARATORY ENGLISH AB This is a College Preparatory course for seniors only intended to help students hone their skills prior to taking the TSIA college placement exam. This course is stacked with 9007T in the student's schedule. Instructional Material: Prestwick House: College & Career Readiness: Writing; TCC stipulates the resources and requires teacher training Prerequisites: Students who have not yet met college readiness standards	CP110100 Grade level: 12 only Credit(s): 0.5 - 1
COLLEGE PREPARATORY ENGLISH AB This is a College Preparatory course for seniors only intended to help students hone their skills prior to taking the TSIA college placement exam. This course is stacked with 9007T in the student's schedule. Instructional Material: Prestwick House: College & Career Readiness: Writing; TCC stipulates the resources and requires teacher training Prerequisites: Students who have not yet met college readiness standards What's Next? NA	CP110100 Grade level: 12 only Credit(s): 0.5 - 1 College Hour(s): NA
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COLLEGE PREPARATORY ENGLISH AB This is a College Preparatory course for seniors only intended to help students hone their skills prior to taking the TSIA college placement exam. This course is stacked with 9007T in the student's schedule. Instructional Material: Prestwick House: College & Career Readiness: Writing; TCC stipulates the resources and requires teacher training Prerequisites: Students who have not yet met college readiness standards What's Next? NA Credits may or may not be available to count toward your graduation plan - see your counselor for more details. Students on the Foundation HS Graduation Plan may earn advanced English Language Arts credit for an ELAR College Preparatory course (both semesters are required) only if the student has already completed the three	CP110100 Grade level: 12 only Credit(s): 0.5 - 1 College Hour(s): NA
This is a College Preparatory course for seniors only intended to help students hone their skills prior to taking the TSIA college placement exam. This course is stacked with 9007T in the student's schedule. Instructional Material: Prestwick House: College & Career Readiness: Writing; TCC stipulates the resources and requires teacher training Prerequisites: Students who have not yet met college readiness standards What's Next? NA Credits may or may not be available to count toward your graduation plan - see your counselor for more details. Students on the Foundation HS Graduation Plan may earn advanced English Language Arts credit for an ELAR College Preparatory course (both semesters are required) only if the student has already completed the three previous English Language Arts credit requirements for the Foundation HS Graduation Plan prior to taking these	CP110100 Grade level: 12 only Credit(s): 0.5 - 1 College Hour(s): NA
This is a College Preparatory course for seniors only intended to help students hone their skills prior to taking the TSIA college placement exam. This course is stacked with 9007T in the student's schedule. Instructional Material: Prestwick House: College & Career Readiness: Writing; TCC stipulates the resources and requires teacher training Prerequisites: Students who have not yet met college readiness standards What's Next? NA Credits may or may not be available to count toward your graduation plan - see your counselor for more details. Students on the Foundation HS Graduation Plan may earn advanced English Language Arts credit for an ELAR College Preparatory course (both semesters are required) only if the student has already completed the three previous English Language Arts credit requirements for the Foundation HS Graduation Plan prior to taking these courses.	CP110100 Grade level: 12 only Credit(s): 0.5 - 1 College Hour(s): NA
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COLLEGE PREPARATORY ENGLISH AB This is a College Preparatory course for seniors only intended to help students hone their skills prior to taking the TSIA college placement exam. This course is stacked with 9007T in the student's schedule. Instructional Material: Prestwick House: College & Career Readiness: Writing; TCC stipulates the resources and requires teacher training Prerequisites: Students who have not yet met college readiness standards What's Next? NA Credits may or may not be available to count toward your graduation plan - see your counselor for more details. Students on the Foundation HS Graduation Plan may earn advanced English Language Arts credit for an ELAR College Preparatory course (both semesters are required) only if the student has already completed the three previous English Language Arts credit requirements for the Foundation HS Graduation Plan prior to taking these courses. • This course is a preparation course for success on TSIA and will no longer provide exemption at TCCD. • English Language Arts college preparatory courses only provide high school credit if the student completes both semesters with at least a 70 average for both and if qualifications noted below in #3 are met. • This college ELAR preparatory course is developmental and will not provide any dual credit. See the decision point situations listed below that a student should consider when determining if this course will provide the benefits he/she needs. 1. If the student has not passed the English I and English II EOC, then it is recommended that students complete all coursework required in order to pass the EOC exams prior to enrolling in this course.	CP110100 Grade level: 12 only Credit(s): 0.5 - 1 College Hour(s): NA
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This is a College Preparatory course for seniors only intended to help students hone their skills prior to taking the TSIA college placement exam. This course is stacked with 9007T in the student's schedule. Instructional Material: Prestwick House: College & Career Readiness: Writing; TCC stipulates the resources and requires teacher training Prerequisites: Students who have not yet met college readiness standards What's Next? NA Credits may or may not be available to count toward your graduation plan - see your counselor for more details. Students on the Foundation HS Graduation Plan may earn advanced English Language Arts credit for an ELAR College Preparatory course (both semesters are required) only if the student has already completed the three previous English Language Arts credit requirements for the Foundation HS Graduation Plan prior to taking these courses. • This course is a preparation course for success on TSIA and will no longer provide exemption at TCCD. • English Language Arts college preparatory courses only provide high school credit if the student completes both semesters with at least a 70 average for both and if qualifications noted below in #3 are met. • This college ELAR preparatory course is developmental and will not provide any dual credit. See the decision point situations listed below that a student should consider when determining if this course will provide the benefits he/she needs. 1. If the student has not passed the English I and English II EOC, then it is recommended that students complete all coursework required in order to pass the EOC exams prior to enrolling in this course. (Students who have not passed English I or II EOC can be scheduled into the course for their senior year.) 2. Students on the Recommended HS Graduation Plan or Distinguished Achievement Graduation Plan who complete an English Language Arts college preparatory course may not use the credit earned to satisfy an advanced ELAR credit.	CP110100 Grade level: 12 only Credit(s): 0.5 - 1 College Hour(s): NA
This is a College Preparatory course for seniors only intended to help students hone their skills prior to taking the TSIA college placement exam. This course is stacked with 900TT in the student's schedule. Instructional Material: Prestwick House: College & Career Readiness: Writing; TCC stipulates the resources and requires teacher training Prerequisites: Students who have not yet met college readiness standards What's Next? NA Credits may or may not be available to count toward your graduation plan - see your counselor for more details. Students on the Foundation HS Graduation Plan may earn advanced English Language Arts credit for an ELAR College Preparatory course (both semesters are required) only if the student has already completed the three previous English Language Arts credit requirements for the Foundation HS Graduation Plan prior to taking these courses. • This course is a preparation course for success on TSIA and will no longer provide exemption at TCCD. • English Language Arts college preparatory courses only provide high school credit if the student completes both semesters with at least a 70 average for both and if qualifications noted below in #3 are met. • This college ELAR preparatory course is developmental and will not provide any dual credit. See the decision point situations listed below that a student should consider when determining if this course will provide the benefits he/she needs. 1. If the student has not passed the English I and English II EOC, then it is recommended that students complete all coursework required in order to pass the EOC exams prior to enrolling in this course. (Students who have not passed English I order to pass the EOC exams prior to enrolling in this course. (Students on the Recommended HS Graduation Plan or Distinguished Achievement Graduation Plan who complete an English Language Arts college preparatory course may not use the credit earned to satisfy an advanced ELAR credit.	CP110100 Grade level: 12 only Credit(s): 0.5 - 1 College Hour(s): NA
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taking this class.

This course will be taught on a high school campus, and follows curricular guidance from Tarrant County Community College but follows all FWISD grading guidelines. Teachers with an emergent bilingual student enrolled in the course must be English and ESL certified. Texas College Bridge English (Online) 9005 T This is a College Preparatory course for seniors only intended to help students hone their skills prior to collegiate CP110100 level English courses. Students are scheduled in this course during a zero hour. Instructional Material: Prestwick House: College & Career Readiness: Writing; Texas College Bridge stipulates the Grade level: 11-12 resources and requires teacher training Credit(s): 1 <u>Prerequisites:</u> Students who have not yet met college readiness standards College Hour(s): N/A What's Next? N/A Tier III *This course counts for elective Credits for this program alone are not available to count toward graduation. This course is a preparation course for success in collegiate level English and will provide exemption at credit only towards graduation. Higher Ed Institutions that partner with Texas College Bridge. Students will receive a certificate of completion up finishing both Stage 1 and Stage 2 to share with colleges or universities that partner with Texas College Bridge and the student intends to enroll. These College Preparatory courses are developmental courses and will not provide any dual credit. See the decision-point situations listed below that a student should consider in determining if this course will provide the benefits he/she needs. If the student is not enrolled in a program that offers a certification/licensure. If the student is not within 3 college credit hours in Math/English or 9 college credit hours in other. If student is not enrolled in a Dual Credit, IB, AP, nor OnRamps Course or if student grades and/or test scores are not aligned with success for the student enrolled in the course. 4. If student intends to enlist in the military and no other CCMR pathway is assigned. If student is not enrolled in any CCMR course or programs. If student wants to participate in the program for TSIA prep or other reasons. **DUAL CREDIT ENGLISH III A** 3039 A TCC Course: English Composition I (ENGL 1301) **TWU Course: Composition and Rhetoric (ENG 1301)** Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and 03220300 editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. Grade level: 11 - 12 Instructional Material: NA ECHS: 9 - 12 FWISD Prerequisites: English II Credit(s): 0.5 TCC Prerequisites: TSI compliant in writing and reading College Hour(s): 3 hours TWU Prerequisites: Only offered at Dunbar Tier I What's Next? ENGL 1302 Course taught by an approved adjunct instructor **DUAL CREDIT ENGLISH III B** 3039 B TCC Course: English Composition II (ENGL 1302) 03220300 Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and Grade level: 11 – 12 ECHS: 9 - 12 documentation of information sources; and critical thinking about evidence and conclusions. Credit(s): 0.5

TWU Course: Composition and Literature (ENG 1302)

Instructional Material: NA

FWISD & TCC Prerequisites: ENGL 1301 TWU Prerequisites: ENG 1301; Only offered at Dunbar What's Next? ENGL 2322 or ENGL 2327

Course taught by an approved adjunct instructor

ENGLISH IV AB

Provides students opportunities to continue to increase and refine their communication skills. Students use the writing process to practice a variety of forms of writing including business, personal, literary, and persuasive texts. Students read extensively in multiple genres from British and other world literature while learning literary forms and terms from the selections being read. Students address the writing, reading, speaking, listening, viewing, and representing skills that are reflected in the TEKS.

3017 AB 03220400

Tier I

College Hour(s): 3 hours

Instructional Material: 1079 – McGraw Hill Study Sync, Grade 12 TX Std, ISBN 9781265535973;	Grade level: 11 – 12
1080 – Prentice Hall Writing Coach, Texas Edition, Grade 12, Pearson Education, Inc., publishing as Prentice Hall,	Credit(s): 1
ISBN: 9780132534888	College Hour(s): NA
Prerequisites: English III	Tier III
What's Next? AP Literature and Composition, AP Language and Composition and any other advanced English course.	
Teachers with an emergent bilingual student enrolled in the course must be English and ESL certified.	2040 4
DUAL CREDIT ENGLISH IV A	3040 A
TCC Course: English Composition I (ENGL 1301) TWU Course: Composition and Rhetoric (ENG 1301)	
Intensive study of and practice in the strategies and techniques for developing research-based expository and	03220400
persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research	03220400
nethods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and	
documentation of information sources; and critical thinking about evidence and conclusions.	
nstructional Material: NA	Grade level: 11 – 12
WISD Prerequisites: English III, Honors English III ACT, Honors English III, or AP English Language and Composition	ECHS: 9 - 12
and student interest.	Credit(s): 0.5
<u>FCC Prerequisites:</u> TSI compliant in writing and reading	College Hour(s): 3 hours
<u>FWU Prerequisites:</u> Only offered at Dunbar	Tier I
What's Next? ENGL-1302	1101 1
Course taught by an approved adjunct instructor	
DUAL CREDIT ENGLISH IV B	3040 B
FCC Course: English Composition II (ENGL 1302)	50.02
WU Course: Composition and Literature (ENG 1302)	
ntensive study of and practice in the strategies and techniques for developing research-based expository and	03220400
ersuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research	
nethods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and	Grade level: 11 – 12
locumentation of information sources; and critical thinking about evidence and conclusions.	ECHS: 9 - 12
nstructional Material: NA	Credit(s): 0.5
WISD & TCC Prerequisites: ENGL 1301	College Hour(s): 3 hours
TWU Prerequisites: ENG 1301; Only offered at Dunbar	
Nhat's Next? ENGL 2322 or ENGL 2327 Course taught by an approved adjunct instructor	Tier I
DUAL CREDIT ENGLISH IV A	3041 A
FCC Course: British Literature I to 1800 (ENGL 2322)	
A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students	03220400
vill study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts.	Grade level: 11 – 12
exts will be selected from a diverse group of authors and traditions.	ECHS: 9-12
nstructional Material: NA	Credit(s): 0.5
WISD & TCC Prerequisites: ENGL 1302	College Hour(s): 3 hours
<u>Vhat's Next?</u> ENGL 2323	Tier I
Course taught by an approved adjunct instructor	
DUAL CREDIT ENGLISH IV B	3041 B
CC Course: British Literature II since 1800 (ENGL 2323)	
WU Course: British Literature (ENG 2328)	
A survey of the development of British literature from the Romantic period to the present. Students will study works	03220400
of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a	
liverse group of authors and traditions.	Grade level: 11 – 12
nstructional Material: NA	ECHS: 9 - 12
WISD Prerequisites: ENGL 2322	Credit(s): 0.5
CC Prerequisites: ENGL 1302	College Hour(s): 3 hours
<u>WU Prerequisites:</u> ENG 2326; Only offered at Dunbar	
<u>Vhat's Next?</u> NA	Tier I
Course taught by an approved adjunct instructor	
DUAL CREDIT ENGLISH IV A	3046 A
CC Course: American Literature I to 1865 (ENGL 2327)	
TWU Course: American Literature (ENG 2326)	
A survey of American literature from the period of exploration and settlement through the Civil War. Students will	03220400
third works of proce poets, droppe and fiction in relation to their historical and sultural contacts. To to will be	

study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be

selected from among a diverse group of authors for what they reflect and reveal about the evolving American	Grade level: 11 – 12
experience and character.	ECHS: 9 -12
Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1302	Credit(s): 0.5 College Hour(s): 3 hours
TWU Prerequisites: Only offered at Dunbar	Tier I
What's Next? ENGL 2328 Course taught by an approved adjunct instructor	rier i
DUAL CREDIT ENGLISH IV B	3046 B
TCC Course: American Literature II since 1865 (ENGL 2328)	30-10 2
A survey of American literature from the Civil War to the present. Students will study works of prose, poetry, dra	ma, 03220400
and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group	
authors for what they reflect and reveal about the evolving American experience and character.	ECHS: 9 -12
Instructional Material: NA	Credit(s): 0.5
FWISD & TCC Prerequisites: ENGL 130	College Hour(s): 3 hours
What's Next? NA Course taught by an approved adjunct instructor	Tier I
AP ENGLISH LANGUAGE AND COMPOSITION AB	3062 AB
Prepares students for the College Board Language and Composition Examination. Designed for highly motivated studer	nts A3220100
who wish to complete the equivalent of an introductory college course in language, rhetoric, and expository writing.	
Engages students as skilled readers of various literary works that are written in a variety of periods, disciplines, and	
rhetorical contexts. Engages students as skilled writers who compose for a variety of purposes. Requires the use of	
appropriate and sophisticated grammatical conventions and linguistic choices in effective critical writing.	
Instructional Material: Prestwick House: Rhetoric, Logic, & Argumentation; The Language of Composition: Reading,	Grade level: 10 – 12
Writing Rhetoric, Bedford, Freeman and Worth, ISBN 1319104371	Credit(s): 1
Prerequisites: English II (or Honors); or English III (or Honors); student interest	College Hour(s): NA
What's Next? Advanced English Course	Tier I
Teachers with an emergent bilingual student enrolled in the course must be English and ESL certified.	
AP ENGLISH LITERATURE AND COMPOSITION AB	3064 AB
Prepares students for the College Board Literature and Composition Examination. Designed for highly motivated	
students who wish to complete the equivalent of an introductory college course in literature and expository writ	_
Includes narrative, exploratory, expository, and argumentative writing. Emphasizes critical analysis and research.	
Explores representative works from various genres and periods, particularly world literature, with a concentration	
works of recognized literary merit. Focuses on critical thinking, critical reading, and critical writing about selected	
prose and poetry.	Tier I
Instructional Material: 1043 – Prestwick House: Rhetorical Devices; AP Literature and Composition, Bedford, Freem	an,
& Worth, ISBN: 1451682516	
<u>Prerequisites:</u> English II (or Honors), English III (or Honors), or AP English Language & Composition, and student interest	
interest <u>What's Next?</u> Advanced English Course	
Teachers with an emergent bilingual student enrolled in the course must be English and ESL certified.	
HUMANITIES AB	3117 AB
Humanities is an interdisciplinary course in which students recognize writing as an art form. Students read widel	
understand how various authors craft compositions for various aesthetic purposes. This course includes the stud	-
of major historical and cultural movements and their relationship to literature and the other fine arts. Humanitie	•
a rigorous course of study in which high school students respond to aesthetic elements in texts and other art for	
through outlets such as discussions, journals, oral interpretations, and dramatizations. Students read widely to	
understand the commonalities that literature shares with the fine arts. In addition, students use written composi	tion
to show an in-depth understanding of creative achievements in the arts and literature and how these various art	
forms are a reflection of history. All students are expected to participate in classroom discussions and presentati	
that lead to an understanding, appreciation, and enjoyment of critical, creative achievements throughout history	
Understanding is demonstrated through a variety of media.	Tier III
Instructional Material: No state-adopted instructional material(s)/Contact Content Director	
<u>Prerequisites:</u> English II, English III or AP Literature or AP Language – may count as the 4 th English credit	
What's Next? Any offered elective	
Teachers with an emergent bilingual student enrolled in the course must be English and ESL certified.	
HONORS HUMANITIES ABH	3119 ABH
Includes the study of major historical and cultural movements and their relationship to literature and the other f	ine 03221600
Arts. Offers academically motivated students' opportunities to write extensively for a variety of purposes and	

achievements in the arts and literature and how these various art forms are a reflection of history. Emphasizes	
critical and analytical response to various artistic, literary, philosophical, and political works. Addresses universal	
themes through critical reading and writing. Students will engage in original research that is to culminate in a	
project that meets the requirements for a Distinguished Achievement Program diploma advanced measure. Approval to add this honors course to a campus must be granted by the Secondary English Arts/Literacy Director.	Grade level: 11 – 12 Credit(s): 0.5- 2
Instructional Material: No state-adopted instructional material(s)/Contact Content Director	College Hour(s): NA
Prerequisites: English II, English III or AP Literature or AP Language – may count as the 4 th English credit	Tier II
<u>What's Next?</u> AP Literature, AP Language, AP World History, AP United States History, or any offered elective.	
Teachers with an emergent bilingual student enrolled in the course must be English and ESL certified.	
DUAL CREDIT LITERARY HUMANITIES AB	3118 AB
TCC Course: Introduction to Humanities (HUMA 1301)	3110 /15
TWU Course: The Human Experience (HUM 2340)	
A survey of American literature from the period of exploration and settlement through the Civil War. Students will	03221600
study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be	
selected from among a diverse group of authors for what they reflect and reveal about the evolving American	Grade level: NA
experience and character.	ECHS: 9 – 12
<u>Instructional Material:</u> NA	Credit(s): 0.5
FWISD Prerequisites: English II	College Hour(s): 3 hours
TCC Prerequisites: NA	Tier I
TWU Prerequisites: Only offered at Dunbar	
What's Next? NA	
Course taught by an approved adjunct instructor	
INDEPENDENT STUDY IN ENGLISH AB	3138
Students enrolled in Independent Study in English will focus on a specialized area of study such as the work of a	03221800
particular author or genre. Students will read and write in multiple forms for a variety of audiences and purposes.	
High school students are expected to plan, draft, and complete written compositions on a regular basis and	
carefully examine their papers for clarity, engaging language, and the correct use of the conventions and mechanics	
of written English. Independent Study in English may be repeated with different content for up to three state	
elective credits.	Grade level: 12
Instructional Material: No state-adopted instructional material(s)/Contact Content Director	Credit(s): 0.5 - 1
Prerequisites: Creative and Imaginative Writing IT	College Hour(s): NA
What's Next? Any offered elective	Tier III
32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=21	
Teachers with an emergent bilingual student enrolled in the course must be English and ESL certified.	
HONORC INDEPENDENT CTUDY IN FUCUSEL CRITICAL TURYUNG FOR COLLEGE READWISE	
HONORS INDEPENDENT STUDY IN ENGLISH: CRITICAL THINKING FOR COLLEGE READINESS ABH	3066 ABH
АВН	
ABH Students will use Honors, AP, and other nationally recognized strategies to analyze, synthesize, evaluate and	3066 ABH 03221800
ABH Students will use Honors, AP, and other nationally recognized strategies to analyze, synthesize, evaluate and develop the reading and writing skills needed to increase their vocabulary and improve their test taking skills on	
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Students will use Honors, AP, and other nationally recognized strategies to analyze, synthesize, evaluate and develop the reading and writing skills needed to increase their vocabulary and improve their test taking skills on the SAT. Using the skills they develop, students will research a self-selected topic, develop a professional quality project proposal, and present it to a panel, which will satisfy the requirements necessary for the Distinguished Achievement Program. Independent Study in English may be repeated with different content for up to three state elective credits. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Enrollment in at least one Honors or AP course What's Next? Any offered elective 32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 Teachers with an emergent bilingual student enrolled in the course must be English and ESL certified. INDEPENDENT STUDY IN ENGLISH: LINGUISTICS AB This course is designed to mirror a college-level introductory course in linguistics, with the entire rigor one expects at that level, but with the advantage of meeting five days a week. The topics covered provide a firm foundation for students who wish to engage in further study of linguistics, computer science, foreign languages, social studies, the humanities and psychology. Linguistics is a multi-disciplinary science and students develop proficiency in the kinds of thinking central to many different fields. Students learn to apply objective reasoning to language problems and begin to see the interconnectedness of disciplines many have seen only as separate classes.	O3221800 Grade level: 11 - 12 Credit(s): 0.5-1 College Hour(s): NA Tier II 3063 AB 03221800 Grade level: 11 – 12
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SIDEPENDENT STUDY IN ENGLISH: PHILOSOPHY AND LITERATURE is an advanced course, with an AP English course as a requirement. Using primary source reading from various ages in the history of philosophy as a model, students will apply observed patterns of thought to questions of coveledge, language, and free will found in the thematic material of literary texts. Structional Material No state-objected instructional material of literary texts. Structional Patters, No state-objected instructional material of literary texts. Structional Patters, No state-objected instructional materials of literary texts. Frequentialities, AP English Language and Composition, AP English Literature and Composition, or Dual Credit English High School NUAL CREDIT INDEPENDENT STUDY IN ENGLISH: AMERICAN LITERATURE T CC Course: American Literature II to 1855 (ENGL 2228) Survey of American Intertuate from the Civil War to the present. Students will study works of prose, poetry, drama, of diction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of uthors for what they reflect and reveal about the evolving American experience and character. STORY OF What Characters (1998) STORY CC Perceptiatries, PM, 1912 Literature (1998) STORY CC Perceptiatries, PM, 1912 Literature (1998) STORY CC Perceptiatries, PM, 2013 STORY CONTROLL Frequentiaties, PM, 2013 STORY CONTROLL PROPERTY STUDY IN ENGLISH: INTRODUCTION TO BIBLICAL LITERACY; HEBREW BIBLE IN PARTICIPATION (1998) NORPH TESTAMENT AB LITERATURE (1998) STORY CONTROLL PROPERTY STUDY IN ENGLISH: INTRODUCTION TO BIBLICAL LITERACY; HEBREW BIBLE IN PROPERTY STUDY IN ENGLISH: INTRODUCTION TO BIBLICAL LITERACY; HEBREW BIBLE IN PROPERTY STUDY IN ENGLISH: INTRODUCTION TO BIBLICAL LITERACY; HEBREW BIBLE IN PROPERTY STUDY IN ENGLISH: BRITISH LITERATURE (1998) STUDIES AND AND ADDITIONAL PROPERTY STUDY IN ENGLISH: BRITISH LITERATURE (1998) College Hourts: NA Tire! Tire! STUDIES AND AND ADDITIONAL PROPERTY STUDY IN ENGLISH: BRITISH LITERAT	Feachers with an emergent bilingual student enrolled in the course must be English and ESL certified.	
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Tier I Part	nstructional Material: No state-adopted instructional material(s)/Contact Content Director	Credit(s): 1
### WINDLA CREDIT INDEPENDENT STUDY IN ENGLISH: AMERICAN LITERATURE T CC Course: American Literature II to 1865 (ENGL 2328) survey of American literature from the Civil War to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Tests will be selected from among a diverse group of uthors for what they reflect and reveal about the evolving American experience and character. Structional Materials: NA CHES 9- 12 Credit(s): 0.5 College Hour(s): 3 hours Title? WISD 8.**TCC Prerequisites: ENGL 1302 Linkis Neat? NA College Hour(s): 3 hours Title? WISD 8.**TCC Prerequisites: ENGL 1302 Linkis Neat? NA College Hour(s): 3 hours Title? WISD 8.**TCC Prerequisites: ENGL 1302 Linkis Neat? NA College Hour(s): 3 hours Title? WISD 8.**TCC Prerequisites: ENGL 1302 Linkis Neat? NA College Hour(s): 3 hours Title? WISD 8.**TCC Prerequisites: ENGL 1302 Linkis Neat? NA College Hour(s): 3 hours Title? WISD 8.**TCC Prerequisites: ENGL 1302 Linkis Neat? NA College Hour(s): 3 hours Title? WISD 8.**TCC Prerequisites: ENGL 1302 Linkis Neat? NA College Hour(s): 3 hours Title? WISD 8.**TCC Prerequisites: ENGL 1302 MIND NEW TESTAMENT AB Linking and familiarity with the narratives and other literary tests of the Hebrew Scriptures and New estament. Discussion and study world literature, art, culture, politics and art, and will also encounter the major trends in academic study fifthe Bible. Grade level: 10 - 12 Wist Structional Material; No stote-adopted instructional material(s)/Contact Content Director Credit(s): 0.5-1 College Hour(s): NA Title Structure of Birtish literature from taken: ##=22 Survey of the development of Birtish literature from the Anglo-Saxon period to the Eighteenth Century. Students WISD Prerequisites: ENGL 1302 Linkis Neat? And Content from a divene group of authors and traditions. WISD Prerequisites: ENGL 1302 Linkis Neat? NA Content from a divene group of authors and traditions. WISD Prerequisites: ENGL 1302 Link	Prerequisites: AP English Language and Composition, AP English Literature and Composition, or Dual Credit English	College Hour(s): NA
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uthors for what they reflect and reveal about the evolving American experience and character. Structional Material: NA SECHS; 9 - 12 Credit(s): 0.5 College Hour(s): 3 hours Discussed tought by on approved adjunct instructor. 22/18## 1st Time taken: ## = 00, 2nd Time taken: ## = 10, 3rd Time taken: ## = 20 NDEPENDENT STUDY IN ENGLISH: INTRODUCTION TO BIBLICAL LITERACY: HEBREW BIBLE ND NEW TESTAMENT AB Rudents will gain familiarity with the narratives and other literary texts of the Hebrew Scriptures and New estament. Discussion and study will take place from an academic and secular perspective that endorses no articular variety of faith. Class activities will emphasize the need for mutual respect, inquiry, and tolerance of invergent opinions. Students will become familiar with the Biblical stories, images and tropes that have profoundly filteneed world literature, art, culture, politics and art, and will also encourant the major trends in academic study filteneed world literature, art, culture, politics and art, and will also encourant the major trends in academic study filteneed world literature, art, culture, politics and art, and will also encourant the major trends in academic study filteneed world literature, art, culture, politics and art, and will also encourant the major trends in academic study filteneed world literature, art, culture, politics and art, and will also encourant the major trends in academic study filteneed world literature, politics and art, and will also encourant the major trends in academic study filteneed vorld literature, politics and art, and will also encourant the major trends in academic study. For a structure of the study offered elective 2218## 1st Time taken: ## = 00, 2nd Time taken: ## = 10, 3rd Time taken: ## = 22 eachers with an emergent bilingual student enrolled in the course must be English and ESL certified. 1041C REDIT INDEPENDENT STUDY IN ENGLISH: BRITISH LITERATURE A CC Course: British Literature to 1800 (ENGL 2323) 1052 English of the development of	a survey of American literature from the Civil War to the present. Students will study works of prose, poetry, drama,	03221800
SECHES 9 - 12 MISS & TCC Prerequisites: ENGL 1302 Credit(s): 0.5 Credit(s): 0.5 Credit(s): 0.5 College Hour(s): 3 hours a tought by an approved adjunct instructor. VISTO & TCC Prerequisites: ENGL 1302 Time token: ##= 10, 3rd Time token: ##= 20	and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of	
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that's Next2 NA urse taught by an approved adjunct instructor. 2218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=20 NDEPENDENT STUDY IN ENGLISH: INTRODUCTION TO BIBLICAL LITERACY: HEBREW BIBLE IND NEW TESTAMENT AB tudents will gain familiarity with the narratives and other literary texts of the Hebrew Scriptures and New estament. Discussion and study will take place from an academic and secular perspective that endorses no articular variety of fath. Class activities will emphasize the need for mutual respect, inquiry, and tolerance of invergent opinions. Students will become familiar with the Biblical stories, images and tropes that have profoundly influenced world literature, art, culture, politics and art, and will also encounter the major trends in academic study fitneed world literature, art, culture, politics and art, and will also encounter the major trends in academic study from the Biblical stories, images and tropes that have profoundly influenced world literature, art, culture, politics and art, and will also encounter the major trends in academic study fitneed world literature, art, culture, politics and art, and will also encounter the major trends in academic study from the Biblical stories, images and tropes that have profoundly influenced world literature, art, culture, politics and art, and will also encounter the major trends in academic study fitneed world literature, and the study of the development of British International materials. No state-adopted instructional materials, No state-adopted instruction to the found in the state of the Eighteenth Century. Students of the III study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. WISD & TCC Prerequisites; ENGL 1302 What Sex ENGL 1302 ECC Course: British Literature II Since 1800 (ENGL 2323) WISD Prerequisites; ENGL 1302 ECC Freequisites; ENGL 1302 What	nstructional Material: NA	ECHS: 9 - 12
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2218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 eachers with an emergent bilingual student enrolled in the course must be English and ESL certified. ACC Course: British Literature I to 1800 (ENGL 2322) survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students (British Study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. ECHS: 9 - 12 EXTRUCTIONAL Material; MA WISD & TCC Prerequisites: ENGL 1302 Analyse of the development of British Interature from the Anglo-Saxon period to the Eighteenth Century. Students (British Study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. ECHS: 9 - 12 ECHS: 9 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I Ourse taught by an approved adjunct instructor. WAL CREDIT INDEPENDENT STUDY IN ENGLISH: BRITISH LITERATURE B CC Course: British Literature II Since 1800 (ENGL 2323) Survey of the development of British literature from the Romantic period to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a liverse group of authors and traditions. SISTUCTIONAL ACREDIT INDEPENDENT STUDY IN ENGLISH: Material: NA WISD Prerequisities: ENGL 2322 CC Prerequisities: ENGL 3222 CC Prerequisities: ENGL 3022 Analyse Server of Authors and traditions. SISTUCTIONAL Material: NA WISD Prerequisities: ENGL 302 Analyse Server of Authors and traditions. SISTUCTIONAL Material: NA WISD Prerequisities: ENGL 302 Analyse Server of Authors and Authors		
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WISD & TCC Prerequisites: ENGL 1302 What's Next? ENGL 2323 Tier I WHAL CREDIT INDEPENDENT STUDY IN ENGLISH: BRITISH LITERATURE B CC Course: British Literature II Since 1800 (ENGL 2323) Survey of the development of British literature from the Romantic period to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a inverse group of authors and traditions. Structional Material: NA WISD Prerequisites: ENGL 2322 CC Prerequisites: ENGL 2322 CC Prerequisites: ENGL 1302 What's Next? NA Coredit(s): 0.5 Course taught by an approved adjunct instructor 2218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 Tier I DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: MEXICAN-AMERICAN LITERATURE T CC Course: Mexican-American Literature (ENGL 2351) Survey of Mexican-American/Chicano/a literature including fiction, non-fiction, poetry, and drama. Structional Material: NA College Hour(s): 3 hours of the present of the present. Students will study works of the present. Students will study wo	exts will be selected from a diverse group of authors and traditions.	ECHS: 9 - 12
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Vhat's Next? NA Credit(s): 0.5 Course taught by an approved adjunct instructor College Hour(s): 3 hours 2218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 CUAL CREDIT INDEPENDENT STUDY IN ENGLISH: MEXICAN-AMERICAN LITERATURE T CC Course: Mexican-American Literature (ENGL 2351) survey of Mexican-American/Chicano/a literature including fiction, non-fiction, poetry, and drama. O3221800 Grade level: NA	WISD Prerequisites: ENGL 2322	Grade level: 11 - 12
College Hour(s): 3 hours 2218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 Tier I DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: MEXICAN-AMERICAN LITERATURE T CC Course: Mexican-American Literature (ENGL 2351) survey of Mexican-American/Chicano/a literature including fiction, non-fiction, poetry, and drama. O3221800 Grade level: NA	CC Prerequisites: ENGL 1302	ECHS: 9 – 12
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CC Course: Mexican-American Literature (ENGL 2351) survey of Mexican-American/Chicano/a literature including fiction, non-fiction, poetry, and drama. o3221800 structional Material: NA Grade level: NA	ourse taught by an approved adjunct instructor	
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nstructional Material: NA Grade level: NA	2218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: MEXICAN-AMERICAN LITERATURE T	3144 T
	2218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: MEXICAN-AMERICAN LITERATURE T CC Course: Mexican-American Literature (ENGL 2351)	
WISD & ICC Prerequisites: ENGL 1302 ECHS: 9 - 12	2218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: MEXICAN-AMERICAN LITERATURE T CCC Course: Mexican-American Literature (ENGL 2351) survey of Mexican-American/Chicano/a literature including fiction, non-fiction, poetry, and drama.	03221800
	2218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: MEXICAN-AMERICAN LITERATURE TO CC Course: Mexican-American Literature (ENGL 2351) Survey of Mexican-American/Chicano/a literature including fiction, non-fiction, poetry, and drama. Instructional Material: NA	03221800 Grade level: NA

What's Next? NA	Credit(s): 0.5
Course taught by an approved adjunct instructor	College Hour(s): 3 hours
32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22	Tier I
DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: WORLD LITERATURE IT	3146 T
TCC Course: World Literature I to 1650 (ENGL 2332)	
A survey of world literature from the ancient world through the sixteenth century. Students will study works of	03221800
prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a	
diverse group of authors and traditions.	Grade level: NA
Instructional Material: NA	ECHS: 9 – 12
FWISD & TCC Prerequisites: ENGL 1302	Credit(s): 0.5
What's Next? NA	College Hour(s): 3 hours
Course taught by an approved adjunct instructor	Tier I
32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22	
DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: WORLD LITERATURE IIT DC	3147 T
TCC Course: World Literature II From 1650 (ENGL 2333)	
A survey of world literature from the seventeenth century to the present. Students will study works of prose, poetry,	03221800
drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of	JJLL 1000
authors and traditions.	Grade level: NA
Instructional Material: NA	ECHS: 9 – 12
FWISD & TCC Prerequisites: ENGL 1302	Credit(s): 0.5
·	` '
What's Next? NA Course taught by an approved adjunct instructor. 32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22	College Hour(s): 3 hours Tier I
DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: FORMS OF LITERATURE IT	3148 T
TCC Course: Forms of Literature I (ENGL 2342)	03221800
The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film.	Grade level: NA
Instructional Material: NA	ECHS: 9 – 12
FWISD & TCC Prerequisites: ENGL 1302	Credit(s): 0.5
What's Next? NA	College Hour(s): 3 hours
Course taught by an approved adjunct instructor	Tier I
32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22	
DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: FORMS OF LITERATURE IIT	3149 T
TCC Course: Forms of Literature II (ENGL 2343)	
TCC Course: Forms of Literature II (ENGL 2343) The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film.	03221810
TCC Course: Forms of Literature II (ENGL 2343) The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material: NA	03221810 Grade level: NA
TCC Course: Forms of Literature II (ENGL 2343) The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1302	03221810 Grade level: NA ECHS: 9 - 12
TCC Course: Forms of Literature II (ENGL 2343) The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1302 What's Next? NA	03221810 Grade level: NA ECHS: 9 - 12 Credit(s): 0.5
TCC Course: Forms of Literature II (ENGL 2343) The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1302 What's Next? NA Course taught by an approved adjunct instructor	03221810 Grade level: NA ECHS: 9 - 12 Credit(s): 0.5 College Hour(s): 3 hours
TCC Course: Forms of Literature II (ENGL 2343) The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1302 What's Next? NA Course taught by an approved adjunct instructor 32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22	03221810 Grade level: NA ECHS: 9 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I
TCC Course: Forms of Literature II (ENGL 2343) The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1302 What's Next? NA Course taught by an approved adjunct instructor 32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: RESEARCH & TECHNICAL WRITING T	03221810 Grade level: NA ECHS: 9 - 12 Credit(s): 0.5 College Hour(s): 3 hours
TCC Course: Forms of Literature II (ENGL 2343) The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1302 What's Next? NA Course taught by an approved adjunct instructor 32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: RESEARCH & TECHNICAL WRITING T TCC Course: Technical & Business Writing (ENGL 2311)	03221810 Grade level: NA ECHS: 9 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I 3152 T
TCC Course: Forms of Literature II (ENGL 2343) The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1302 What's Next? NA Course taught by an approved adjunct instructor 32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: RESEARCH & TECHNICAL WRITING T TCC Course: Technical & Business Writing (ENGL 2311) Students enrolled in this course will focus on developing skills necessary for writing persuasive and informative	03221810 Grade level: NA ECHS: 9 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I 3152 T
TCC Course: Forms of Literature II (ENGL 2343) The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1302 What's Next? NA Course taught by an approved adjunct instructor 32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: RESEARCH & TECHNICAL WRITING T TCC Course: Technical & Business Writing (ENGL 2311) Students enrolled in this course will focus on developing skills necessary for writing persuasive and informative texts. This rigorous composition course asks high school students to skillfully research a topic or a variety of topics	03221810 Grade level: NA ECHS: 9 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I 3152 T 03221810 Grade level: 11 - 12
TCC Course: Forms of Literature II (ENGL 2343) The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1302 What's Next? NA Course taught by an approved adjunct instructor 32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: RESEARCH & TECHNICAL WRITING T TCC Course: Technical & Business Writing (ENGL 2311) Students enrolled in this course will focus on developing skills necessary for writing persuasive and informative texts. This rigorous composition course asks high school students to skillfully research a topic or a variety of topics and present that information through a variety of media. All students are expected to demonstrate an	03221810 Grade level: NA ECHS: 9 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I 3152 T 03221810 Grade level: 11 - 12 Credit(s): 0.5
TCC Course: Forms of Literature II (ENGL 2343) The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1302 What's Next? NA Course taught by an approved adjunct instructor 32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: RESEARCH & TECHNICAL WRITING T TCC Course: Technical & Business Writing (ENGL 2311) Students enrolled in this course will focus on developing skills necessary for writing persuasive and informative texts. This rigorous composition course asks high school students to skillfully research a topic or a variety of topics and present that information through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the	03221810 Grade level: NA ECHS: 9 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I 3152 T 03221810 Grade level: 11 - 12
The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1302 What's Next? NA Course taught by an approved adjunct instructor 32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: RESEARCH & TECHNICAL WRITING T TCC Course: Technical & Business Writing (ENGL 2311) Students enrolled in this course will focus on developing skills necessary for writing persuasive and informative texts. This rigorous composition course asks high school students to skillfully research a topic or a variety of topics and present that information through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures	03221810 Grade level: NA ECHS: 9 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I 3152 T 03221810 Grade level: 11 - 12 Credit(s): 0.5
The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1302 What's Next? NA Course taught by an approved adjunct instructor 32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: RESEARCH & TECHNICAL WRITING T TCC Course: Technical & Business Writing (ENGL 2311) Students enrolled in this course will focus on developing skills necessary for writing persuasive and informative texts. This rigorous composition course asks high school students to skillfully research a topic or a variety of topics and present that information through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing,	03221810 Grade level: NA ECHS: 9 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I 3152 T 03221810 Grade level: 11 - 12 Credit(s): 0.5 College Hour(s): 3 hours
TCC Course: Forms of Literature II (ENGL 2343) The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1302 What's Next? NA Course taught by an approved adjunct instructor 32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: RESEARCH & TECHNICAL WRITING T TCC Course: Technical & Business Writing (ENGL 2311) Students enrolled in this course will focus on developing skills necessary for writing persuasive and informative texts. This rigorous composition course asks high school students to skillfully research a topic or a variety of topics and present that information through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop and apply criteria for effective writing, and set their own goals as writers.	03221810 Grade level: NA ECHS: 9 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I 3152 T 03221810 Grade level: 11 - 12 Credit(s): 0.5 College Hour(s): 3 hours
TCC Course: Forms of Literature II (ENGL 2343) The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1302 What's Next? NA Course taught by an approved adjunct instructor 32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: RESEARCH & TECHNICAL WRITING T TCC Course: Technical & Business Writing (ENGL 2311) Students enrolled in this course will focus on developing skills necessary for writing persuasive and informative texts. This rigorous composition course asks high school students to skillfully research a topic or a variety of topics and present that information through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop and apply criteria for effective writing, and set their own goals as writers.	03221810 Grade level: NA ECHS: 9 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I 3152 T 03221810 Grade level: 11 - 12 Credit(s): 0.5 College Hour(s): 3 hours
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TCC Course: Forms of Literature II (ENGL 2343) The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1302 What's Next? NA Course taught by an approved adjunct instructor 32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: RESEARCH & TECHNICAL WRITING T TCC Course: Technical & Business Writing (ENGL 2311) Students enrolled in this course will focus on developing skills necessary for writing persuasive and informative texts. This rigorous composition course asks high school students to skillfully research a topic or a variety of topics and present that information through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop and apply criteria for effective writing, and set their own goals as writers. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1301 What's Next? NA Course taught by an approved adjunct instructor	03221810 Grade level: NA ECHS: 9 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I 3152 T 03221810 Grade level: 11 - 12 Credit(s): 0.5 College Hour(s): 3 hours
TCC Course: Forms of Literature II (ENGL 2343) The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1302 What's Next? NA Course taught by an approved adjunct instructor 32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: RESEARCH & TECHNICAL WRITING T TCC Course: Technical & Business Writing (ENGL 2311) Students enrolled in this course will focus on developing skills necessary for writing persuasive and informative texts. This rigorous composition course asks high school students to skillfully research a topic or a variety of topics and present that information through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop and apply criteria for effective writing, and set their own goals as writers. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1301 What's Next? NA Course taught by an approved adjunct instructor DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: CREATIVE WRITING T	03221810 Grade level: NA ECHS: 9 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I 3152 T 03221810 Grade level: 11 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I
TCC Course: Forms of Literature II (ENGL 2343) The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1302 What's Next? NA Course taught by an approved adjunct instructor 32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: RESEARCH & TECHNICAL WRITING T TCC Course: Technical & Business Writing (ENGL 2311) Students enrolled in this course will focus on developing skills necessary for writing persuasive and informative texts. This rigorous composition course asks high school students to skillfully research a topic or a variety of topics and present that information through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop and apply criteria for effective writing, and set their own goals as writers. Instructional Material; NA FWISD & TCC Prerequisites: ENGL 1301 What's Next? NA Course taught by an approved adjunct instructor DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: CREATIVE WRITING T TCC Course: Creative Writing I (ENGL 2307)	03221810 Grade level: NA ECHS: 9 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I 3152 T 03221810 Grade level: 11 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I
TCC Course: Forms of Literature II (ENGL 2343) The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1302 What's Next? NA Course taught by an approved adjunct instructor 32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: RESEARCH & TECHNICAL WRITING T TCC Course: Technical & Business Writing (ENGL 2311) Students enrolled in this course will focus on developing skills necessary for writing persuasive and informative texts. This rigorous composition course asks high school students to skillfully research a topic or a variety of topics and present that information through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop and apply criteria for effective writing, and set their own goals as writers. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1301 What's Next? NA Course taught by an approved adjunct instructor DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: CREATIVE WRITING T TCC Course: Creative Writing I (ENGL 2307) Students enrolled in this course will focus on a rigorous composition course that asks high school students to	03221810 Grade level: NA ECHS: 9 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I 3152 T 03221810 Grade level: 11 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I
TCC Course: Forms of Literature II (ENGL 2343) The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material; NA EWISD & TCC Prerequisites; ENGL 1302 What's Next? NA Course taught by an approved adjunct instructor 32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: RESEARCH & TECHNICAL WRITING T TCC Course: Technical & Business Writing (ENGL 2311) Students enrolled in this course will focus on developing skills necessary for writing persuasive and informative texts. This rigorous composition course asks high school students to skillfully research a topic or a variety of topics and present that information through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop and apply criteria for effective writing, and set their own goals as writers. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1301 What's Next? NA Course taught by an approved adjunct instructor DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: CREATIVE WRITING T TCC Course: Creative Writing I (ENGL 2307) Students enrolled in this course will focus on a rigorous composition course that asks high school students to demonstrate their skill in such forms of writing as fictional writing, short stories, poetry, and drama. All students are	03221810 Grade level: NA ECHS: 9 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I 3152 T 03221810 Grade level: 11 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I 3151 T 03221800 Grade level: 11 - 12
TCC Course: Forms of Literature II (ENGL 2343) The study of one or more literary genres including, but not limited to, poetry, fiction, drama and film. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1302 What's Next? NA Course taught by an approved adjunct instructor 32218## 1st Time taken: ##=00, 2nd Time taken: ##=10, 3rd Time taken: ##=22 DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: RESEARCH & TECHNICAL WRITING T TCC Course: Technical & Business Writing (ENGL 2311) Students enrolled in this course will focus on developing skills necessary for writing persuasive and informative texts. This rigorous composition course asks high school students to skillfully research a topic or a variety of topics and present that information through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop and apply criteria for effective writing, and set their own goals as writers. Instructional Material: NA FWISD & TCC Prerequisites: ENGL 1301 What's Next? NA Course taught by an approved adjunct instructor DUAL CREDIT INDEPENDENT STUDY IN ENGLISH: CREATIVE WRITING T TCC Course: Creative Writing I (ENGL 2307) Students enrolled in this course will focus on a rigorous composition course that asks high school students to	03221810 Grade level: NA ECHS: 9 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I 3152 T 03221810 Grade level: 11 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I

unpublished pieces of writing, develop peer and self-assessments for effective writing, and set their own goals as	
writers. Instructional Material: NA	
FWISD & TCC Prerequisites: ENGL 1301	
What's Next? NA	
Course taught by an approved adjunct instructor.	
JOURNALISM AB	3515 AB
Students will become analytical consumers of media and technology to enhance their communication skills.	03230100
Writing, technology, visual and electronic media are used as tools for learning as students create, clarify, critique,	03230100
write, and produce effective communications. Students will learn journalistic traditions, research self-selected	
topics, write journalistic texts, and learn the principles of publishing.	
Instructional Material: 1155 – Journalism Today! McGraw-Hill School Division, ISBN: 0658004042	
Prerequisites: English I	Grade level: 9 - 12
What's Next? Advanced Journalism: Newspaper I AB; Honors Advanced Journalism: Newspaper I ABH; Advanced	Credit(s): 0.5 - 1
Journalism: Yearbook or Literary Magazine I AB; Honors Advanced Journalism: Yearbook or Literary Magazine I	College Hour(s): NA
ABH; any offered elective	Tier III
HONORS JOURNALISM ABH	3514 ABH
The Journalism I AB Honors course provides a means for students seeking a more rigorous curriculum to earn	03230100
Honors credit upon successful completion. This course will also count as a pre-requisite to enroll in the Honors	
Newspaper or Yearbook courses (Newspaper or Yearbook I AB). The Journalism I AB Honors course will build on the	
Journalism I AB curriculum by allowing students to become analytical consumers of media and technology to	
enhance their communications skills through the application and use of the Associated Press stylebook, journalistic	
writing assignments, and hands-on projects.	Grade level: 9 – 12
Instructional Material: 1155 – Journalism Today! McGraw-Hill School Division, ISBN: 0658004042	Credit(s): 0.5 - 1
Prerequisites: Honors English I	College Hour(s): NA
What's Next? Placement in Honors Yearbook or Newspaper I AB	Tier II
ADVANCED JOURNALISM: NEWSPAPER I AB	3518 AB
Course emphasizes advanced work involving reporting, advertising campaigns, in-depth research, career	03230140
journalism, and original projects. Centers around advanced instruction in advertising, editorial writing, in-depth	
reporting, and individual projects.	
Instructional Material: 1155 – Journalism Today! McGraw-Hill School Division, ISBN: 0658004042	Grade level: 9 - 12
Prerequisites: Journalism IA or IB	Credit(s): 0.5 - 1
What's Next? Advanced Journalism; Newspaper II AB; Honors Advanced Journalism; Newspaper II AB; Any offered	College Hour(s): NA
elective.	Tier III
HONORS ADVANCED JOURNALISM: NEWSPAPER I ABH	3519 ABH
Provides instruction in all phases of newspaper journalistic production including the study of various career	03230140
opportunities and job types.	
Instructional Material: 1155 – Journalism Today! McGraw-Hill School Division, ISBN: 0658004042	Grade level: 10 - 12
Prerequisites: Journalism I and/or submission of a portfolio.	Credit(s): 0.5-1
Prerequisites: Journalism I and/or submission of a portfolio. What's Next? Advanced Journalism: Newspaper II AB	Credit(s): 0.5-1 College Hour(s): NA
·	College Hour(s): NA Tier II
What's Next? Advanced Journalism: Newspaper II AB	College Hour(s): NA
What's Next? Advanced Journalism: Newspaper II AB Students will create portfolios containing exemplars of their work.	College Hour(s): NA Tier II
What's Next? Advanced Journalism: Newspaper II AB Students will create portfolios containing exemplars of their work. ADVANCED JOURNALISM: NEWSPAPER II AB This course includes detailed study of communication via the printed media, writing styles in content and conventions, news analysis, photography, page and section design and production, and techniques in marketing,	College Hour(s): NA Tier II 3520 AB
What's Next? Advanced Journalism: Newspaper II AB Students will create portfolios containing exemplars of their work. ADVANCED JOURNALISM: NEWSPAPER II AB This course includes detailed study of communication via the printed media, writing styles in content and conventions, news analysis, photography, page and section design and production, and techniques in marketing, sales, and distribution. It emphasizes career opportunities available in the field of publications. It allows students to	College Hour(s): NA Tier II 3520 AB
What's Next? Advanced Journalism: Newspaper II AB Students will create portfolios containing exemplars of their work. ADVANCED JOURNALISM: NEWSPAPER II AB This course includes detailed study of communication via the printed media, writing styles in content and conventions, news analysis, photography, page and section design and production, and techniques in marketing, sales, and distribution. It emphasizes career opportunities available in the field of publications. It allows students to become competent in various publishing programs and the technology necessary to implement them.	College Hour(s): NA Tier II 3520 AB 03230150 Grade level: 10 - 12
What's Next? Advanced Journalism: Newspaper II AB Students will create portfolios containing exemplars of their work. ADVANCED JOURNALISM: NEWSPAPER II AB This course includes detailed study of communication via the printed media, writing styles in content and conventions, news analysis, photography, page and section design and production, and techniques in marketing, sales, and distribution. It emphasizes career opportunities available in the field of publications. It allows students to become competent in various publishing programs and the technology necessary to implement them. Instructional Material: No state-adopted instructional material(s)/Contact Content Director	College Hour(s): NA Tier II 3520 AB 03230150 Grade level: 10 - 12 Credit(s): 0.5 - 1
What's Next? Advanced Journalism: Newspaper II AB Students will create portfolios containing exemplars of their work. ADVANCED JOURNALISM: NEWSPAPER II AB This course includes detailed study of communication via the printed media, writing styles in content and conventions, news analysis, photography, page and section design and production, and techniques in marketing, sales, and distribution. It emphasizes career opportunities available in the field of publications. It allows students to become competent in various publishing programs and the technology necessary to implement them. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Journalism; Newspaper I; and either Touch System Data Entry; Business Information	College Hour(s): NA Tier II 3520 AB 03230150 Grade level: 10 - 12 Credit(s): 0.5 - 1 College Hour(s): NA
What's Next? Advanced Journalism: Newspaper II AB Students will create portfolios containing exemplars of their work. ADVANCED JOURNALISM: NEWSPAPER II AB This course includes detailed study of communication via the printed media, writing styles in content and conventions, news analysis, photography, page and section design and production, and techniques in marketing, sales, and distribution. It emphasizes career opportunities available in the field of publications. It allows students to become competent in various publishing programs and the technology necessary to implement them. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Journalism; Newspaper I; and either Touch System Data Entry; Business Information Management I; Principles of Information Technology	College Hour(s): NA Tier II 3520 AB 03230150 Grade level: 10 - 12 Credit(s): 0.5 - 1
What's Next? Advanced Journalism: Newspaper II AB Students will create portfolios containing exemplars of their work. ADVANCED JOURNALISM: NEWSPAPER II AB This course includes detailed study of communication via the printed media, writing styles in content and conventions, news analysis, photography, page and section design and production, and techniques in marketing, sales, and distribution. It emphasizes career opportunities available in the field of publications. It allows students to become competent in various publishing programs and the technology necessary to implement them. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Journalism; Newspaper I; and either Touch System Data Entry; Business Information Management I; Principles of Information Technology What's Next? Any offered elective.	College Hour(s): NA Tier II 3520 AB 03230150 Grade level: 10 - 12 Credit(s): 0.5 - 1 College Hour(s): NA Tier III
What's Next? Advanced Journalism: Newspaper II AB Students will create portfolios containing exemplars of their work. ADVANCED JOURNALISM: NEWSPAPER II AB This course includes detailed study of communication via the printed media, writing styles in content and conventions, news analysis, photography, page and section design and production, and techniques in marketing, sales, and distribution. It emphasizes career opportunities available in the field of publications. It allows students to become competent in various publishing programs and the technology necessary to implement them. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Journalism; Newspaper I; and either Touch System Data Entry; Business Information Management I; Principles of Information Technology What's Next? Any offered elective. HONORS ADVANCED JOURNALISM: NEWSPAPER II ABH	College Hour(s): NA Tier II 3520 AB 03230150 Grade level: 10 - 12 Credit(s): 0.5 - 1 College Hour(s): NA Tier III 3522 ABH
What's Next? Advanced Journalism: Newspaper II AB Students will create portfolios containing exemplars of their work. ADVANCED JOURNALISM: NEWSPAPER II AB This course includes detailed study of communication via the printed media, writing styles in content and conventions, news analysis, photography, page and section design and production, and techniques in marketing, sales, and distribution. It emphasizes career opportunities available in the field of publications. It allows students to become competent in various publishing programs and the technology necessary to implement them. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Journalism; Newspaper I; and either Touch System Data Entry; Business Information Management I; Principles of Information Technology What's Next? Any offered elective. HONORS ADVANCED JOURNALISM: NEWSPAPER II ABH In-depth study and practice in the process of creating an edition of a newspaper. Students will better define the	College Hour(s): NA Tier II 3520 AB 03230150 Grade level: 10 - 12 Credit(s): 0.5 - 1 College Hour(s): NA Tier III
What's Next? Advanced Journalism: Newspaper II AB Students will create portfolios containing exemplars of their work. ADVANCED JOURNALISM: NEWSPAPER II AB This course includes detailed study of communication via the printed media, writing styles in content and conventions, news analysis, photography, page and section design and production, and techniques in marketing, sales, and distribution. It emphasizes career opportunities available in the field of publications. It allows students to become competent in various publishing programs and the technology necessary to implement them. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Journalism; Newspaper I; and either Touch System Data Entry; Business Information Management I; Principles of Information Technology What's Next? Any offered elective. HONORS ADVANCED JOURNALISM: NEWSPAPER II ABH In-depth study and practice in the process of creating an edition of a newspaper. Students will better define the skills necessary to produce a newspaper such as researching, writing, editing, photography, layout, sales, and	College Hour(s): NA Tier II 3520 AB 03230150 Grade level: 10 - 12 Credit(s): 0.5 - 1 College Hour(s): NA Tier III 3522 ABH
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What's Next? Advanced Journalism: Newspaper II AB Students will create portfolios containing exemplars of their work. ADVANCED JOURNALISM: NEWSPAPER II AB This course includes detailed study of communication via the printed media, writing styles in content and conventions, news analysis, photography, page and section design and production, and techniques in marketing, sales, and distribution. It emphasizes career opportunities available in the field of publications. It allows students to become competent in various publishing programs and the technology necessary to implement them. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Journalism; Newspaper I; and either Touch System Data Entry; Business Information Management I; Principles of Information Technology What's Next? Any offered elective. HONORS ADVANCED JOURNALISM: NEWSPAPER II ABH In-depth study and practice in the process of creating an edition of a newspaper. Students will better define the skills necessary to produce a newspaper such as researching, writing, editing, photography, layout, sales, and marketing plus the technology described in Advanced Journalism: Newspaper II AB. Honors students will also assume leadership positions such as editors, chief photographers, sales managers, etc. to direct the work of the	College Hour(s): NA Tier II 3520 AB 03230150 Grade level: 10 - 12 Credit(s): 0.5 - 1 College Hour(s): NA Tier III 3522 ABH
What's Next? Advanced Journalism: Newspaper II AB Students will create portfolios containing exemplars of their work. ADVANCED JOURNALISM: NEWSPAPER II AB This course includes detailed study of communication via the printed media, writing styles in content and conventions, news analysis, photography, page and section design and production, and techniques in marketing, sales, and distribution. It emphasizes career opportunities available in the field of publications. It allows students to become competent in various publishing programs and the technology necessary to implement them. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Journalism; Newspaper I; and either Touch System Data Entry; Business Information Management I; Principles of Information Technology What's Next? Any offered elective. HONORS ADVANCED JOURNALISM: NEWSPAPER II ABH In-depth study and practice in the process of creating an edition of a newspaper. Students will better define the skills necessary to produce a newspaper such as researching, writing, editing, photography, layout, sales, and marketing plus the technology described in Advanced Journalism: Newspaper II AB. Honors students will also assume leadership positions such as editors, chief photographers, sales managers, etc. to direct the work of the newspaper staff and will take on additional assignments and projects to earn honors credit.	College Hour(s): NA Tier II 3520 AB 03230150 Grade level: 10 - 12 Credit(s): 0.5 - 1 College Hour(s): NA Tier III 3522 ABH
What's Next? Advanced Journalism: Newspaper II AB Students will create portfolios containing exemplars of their work. ADVANCED JOURNALISM: NEWSPAPER II AB This course includes detailed study of communication via the printed media, writing styles in content and conventions, news analysis, photography, page and section design and production, and techniques in marketing, sales, and distribution. It emphasizes career opportunities available in the field of publications. It allows students to become competent in various publishing programs and the technology necessary to implement them. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Journalism; Newspaper I; and either Touch System Data Entry; Business Information Management I; Principles of Information Technology What's Next? Any offered elective. HONORS ADVANCED JOURNALISM: NEWSPAPER II ABH In-depth study and practice in the process of creating an edition of a newspaper. Students will better define the skills necessary to produce a newspaper such as researching, writing, editing, photography, layout, sales, and marketing plus the technology described in Advanced Journalism: Newspaper II AB. Honors students will also assume leadership positions such as editors, chief photographers, sales managers, etc. to direct the work of the	College Hour(s): NA Tier II 3520 AB 03230150 Grade level: 10 - 12 Credit(s): 0.5 - 1 College Hour(s): NA Tier III 3522 ABH

the following; English I or English II; Touch System Data Entry; Business Information Management I; Principles of	Credit(s): 0.5 - 1
Information Technology; student interest.	College Hour(s): NA
What's Next? Honors Advanced Journalism: Newspaper III AB; Any offered elective.	Tier II
HONORS ADVANCED JOURNALISM: NEWSPAPER III ABH	3524 ABH
Honors Advanced Journalism: Newspaper III AB/H will go beyond the Newspaper II AB/H requirements to focus	03230160
primarily on developing student's leadership abilities in guiding incoming staff in producing at least six issues of a	
student newspaper for the school year. Students will: 1) continue to apply the writing, editing, and photography	
skills learned in Newspaper II AB/H; 2) assume overall leadership responsibilities including the editor-in-chief, co-	
editor-in chief, business manager, or managing editor; 3) work to train all incoming staff members in areas such as	
copyediting, technology, design themes, newspaper writing, and style; 4) and come up with creative ideas to reach new advertisers. The portfolio submitted for review prior to enrollment will include two examples of journalistic	
writing and/or 5-10 examples of journalistic photography with captions prior to being enrolled in the honors class.	
The portfolio will be evaluated by journalism/publications teacher using standard journalistic style considerations.	
Instructional Material: 1155 – Journalism Today! McGraw-Hill School Division, ISBN: 0658004042	Grade level: 10 – 12
Prerequisites: Advanced Journalism: Newspaper II AB and submission of portfolio for evaluation, and student must	Credit(s): 0.5 - 1
nave held a leadership position for a publication for at least one year prior.	College Hour(s): NA
What's Next? Any offered elective.	Tier II
ADVANCED JOURNALISM: LITERARY MAGAZINE I AB	3544 AB
Course emphasizes advanced work involving reporting, advertising campaigns, in-depth research, career	03230170
ournalism, and original projects. Centers around advanced instruction in advertising, editorial writing, in-depth	
reporting, and individual projects.	
nstructional Material: 1155 – Journalism Today! McGraw-Hill School Division, ISBN: 0658004042	Grade level: 9 - 12
Prerequisites: Journalism IA or IB	Credit(s): 0.5 - 1
What's Next? Advanced Journalism; Newspaper II AB; Honors Advanced Journalism; Newspaper II AB; Any offered	College Hour(s): NA
elective	Tier III
HONORS ADVANCED JOURNALISM: LITERARY MAGAZINE I ABH	3546 ABH
Course emphasizes advanced work and leadership positions such as section editors involved in reporting,	03230170
advertising campaigns, in-depth research, career journalism, and original projects. Centers around advanced	
nstruction in advertising, editorial writing, in-depth reporting, and individual projects. This honors level I course will	
go beyond the regular course requirements providing a rigorous in-depth focus requiring the students to 1) Continue to apply the writing, editing, and photography skills learned in Journalism I AB; 2) Assume leadership	
positions such as section editors; 3) Work collaboratively with the editor(s)-in-chief to direct the work of the	
newspaper staff; 4) Take on additional assignments such as advertising sales and section design and layout using	
necessary technology to produce each issue of the newspaper; 5) Submit a portfolio for review including: 2	
examples of journalistic writing and/or 5 – 10 examples of journalistic photography with captions prior to being	Grade level: 10 – 12
enrolled in the honors class. The portfolio will be evaluated by journalism/publications teacher using standard	Credit(s): 0.5 - 1
ournalistic style considerations.	College Hour(s): NA
nstructional Material: 1155 – Journalism Today! McGraw-Hill School Division, ISBN: 0658004042	Tier II
Prerequisites: Journalism I and/or submission of a portfolio	
What's Next? Advanced Journalism; Newspaper II AB; Honors Advanced Journalism; Newspaper II AB; Any offered	
elective	
ADVANCED JOURNALISM: LITERARY MAGAZINE II AB	3548 AB
This course includes detailed study of communication via the printed media, writing styles, news analysis,	03230180
photography, page and section design, production, and techniques in marketing, sales, and distribution. It	
emphasizes career opportunities available in the field of publications. It allows students to become competent in	
various publishing programs and the technology necessary to implement them.	
nstructional Material: 1155 – Journalism Today! McGraw-Hill School Division, ISBN: 0658004042	Grade level: 10 - 12
Prerequisites: Advanced Journalism; Newspaper I; and either Touch System Data Entry; Business Information	Credit(s): 0.5 - 1
Management I; Principles of Information Technology	College Hour(s): NA
What's Next? Any offered elective.	Tier III
HONORS ADVANCED JOURNALISM: LITERARY MAGAZINE II ABH	3550 ABH
n-depth study and practice in the process of creating an edition of a newspaper. Students will better define the	03230180
skills necessary to produce a newspaper such as researching, writing, editing, photography, layout, sales, and	
marketing plus the technology described in Advanced Journalism: Newspaper II AB. Honors students will also	
assume leadership positions such as editors, chief photographers, sales managers, etc. to direct the work of the	
newspaper staff and will take on additional assignments and projects to earn honors credit.	
Instructional Material: 1155 – Journalism Today! McGraw-Hill School Division, ISBN: 0658004042	Grade level: 10 – 12
Prerequisites: Advanced Journalism: Newspaper I or Honors Advanced Journalism; Newspaper I; and four of the	Grade level. 10 - 12

following: English I or English II: Touch System Data Entry; Business Information Management I; Principles of	Credit(s): 0.5 - 1
Information Technology; student interest.	College Hour(s): NA
What's Next? Honors Advanced Journalism: Newspaper III AB; Any offered elective.	Tier II
ADVANCED JOURNALISM: LITERARY MAGAZINE III T	3552 T
Provides instruction in all phases of magazine-type journalistic production, including the literary magazine.	03230190
	Grade level: 10 - 12
Instructional Material: 1155 – Journalism Today! McGraw-Hill School Division, ISBN: 0658004042	Credit(s): 0.5
<u>Prerequisites:</u> Advanced Journalism; Literary Magazine II	College Hour(s): NA
What's Next? Any offered elective	Tier III
HONORS ADVANCED JOURNALISM: LITERARY MAGAZINE III ABH	3554 ABH
Honors Literary Magazine will go beyond the Literary Magazine II requirements to focus primarily on developing	03230190
students' leadership abilities in guiding incoming staff in producing the school yearbook or literary magazine	
publication. Students will: 1) assume overall leadership responsibilities including the editor-in-chief, co-editor-in-	
chief, or business ads/sales manager 2) train all incoming staff members in areas such as copy editing, technology,	
design themes, writing, and overall style for the yearbook; 3) have overall responsibility for maintaining/increasing	
sales and ad sales; 4) come up with creative ideas to reach new advertisers; and 5) develop an overall theme for the yearbook and create sections and pages that represent this theme throughout the yearbook.	Grade level: 10 - 12
Instructional Material: 1155 – Journalism Today! McGraw-Hill School Division, ISBN: 0658004042	Credit(s): 0.5 - 1
<u>Prerequisites:</u> Advanced Journalism: Yearbook or Literary Magazine II, student must have held a leadership position	College Hour(s): NA
for the publication for at least a year prior, and submit a portfolio for evaluation.	Tier II
What's Next? Any offered elective	ner n
ADVANCED JOURNALISM: YEARBOOK I AB	3558 AB
Students will plan, draft, and complete written and/or visual communications on a regular basis, carefully examining	03230110
their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English	03230110
while learning ethics and standards. Writing, technology, and visual and electronic media are used as tools for	
learning as students create, clarify, critique, write, and produce effective communications. Students refine and	Grade level: 10 - 12
enhance journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s).	Credit(s): 0.5 - 1
Instructional Material: 1155 – Journalism Today! McGraw-Hill School Division, ISBN: 0658004042	College Hour(s): NA
Prerequisites: Taken in sequence	Tier III
What's Next? Advanced Journalism: Yearbook II or Advanced Journalism; Literary Magazine; Any offered elective.	
HONORS ADVANCED JOURNALISM: YEARBOOK I ABH	3556 ABH
Provides instruction in all phases of magazine-type journalistic production, including the literary magazine.	03230110
Instructional Material: 1155 – Journalism Today! McGraw-Hill School Division, ISBN: 0658004042	Grade level: 10 – 12
<u>Prerequisites:</u> Advanced Journalism: Yearbook or Literary Magazine I and four of the following: English I or English	Credit(s): 0.5 - 1
II; Touch System Data Entry; Business Information Management I; Principles of Information Technology, student	College Hour(s): NA
interest and/or submission of a portfolio.	Tier II
What's Next? Level II honors courses	
ADVANCED JOURNALISM: YEARBOOK II AB	3560 AB
Students will plan, draft, and complete written and/or visual communications on a regular basis, carefully examining	03230120
their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English	
while learning ethics and standards. Writing, technology, and visual and electronic media are used as tools for	6 1 10 10
learning as students create, clarify, critique, write, and produce effective communications. Students refine and	Grade level: 10 - 12
enhance journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s).	Credit(s): 0.5 - 1
Instructional Material: 1155 – Journalism Today! McGraw-Hill School Division, ISBN: 0658004042	College Hour(s): NA
Prerequisites: Taken in sequence What's Nort2 Advanced Journalism: Vearbook III or Advanced Journalism: Literary Magazine: Any offered elective	Tier III
What's Next? Advanced Journalism: Yearbook III or Advanced Journalism: Literary Magazine; Any offered elective. HONORS ADVANCED JOURNALISM: YEARBOOK II ABH	3564 ABH
In-depth study and practice in the process of producing a specific publication being yearbook. Students will better	03230120
define their skills in page layout, photography and graphics layout, article and caption writing, time management,	32230120
teamwork, sales, and marketing. Students will also implement the technology necessary to accomplish these skills.	Grade level: 9 – 12
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Honors students will also assume leadership positions such as section editors, chief photographers, and sales managers to direct the work of the publications' staff. Students will undertake additional assignments and projects to earn honors credit.	Credit(s): 0.5 - 1 College Hour(s): NA Tier II

Instructional Material: 1155 – Journalism Today! McGraw-Hill School Division, ISBN: 0658004042

Prerequisites: Advanced Journalism: Yearbook or Literary Magazine I and four of the following: English I or English II; Touch System Data Entry; Business Information Management I; Principles of Information Technology.

What's Next? Honors Advanced Journalism; Yearbook or Literary Magazine III; any offered elective

	3562 T
Provides instruction in all phases of magazine-type journalistic production, including the literary magazine.	03230130
	Grade level: 9 - 12
Instructional Material: 1155 – Journalism Today! McGraw-Hill School Division, ISBN: 0658004042	Credit(s): 0.5
Prerequisites: Creative and Imaginative Writing IT	College Hour(s): NA
What's Next? Any offered elective	Tier III
HONORS ADVANCED JOURNALISM: YEARBOOK III ABH	3568 ABH
Honors Yearbook will go beyond the Yearbook II requirements to focus primarily on developing students'	03230130
leadership abilities in guiding incoming staff in producing the school yearbook or literary magazine publication.	
Students will: 1) assume overall leadership responsibilities including the editor-in-chief, co-editor-in-chief, or	
business ads/sales manager; 2) train all incoming staff members in areas such as copy editing, technology, design	
themes, writing, and overall style for the yearbook; 3) have overall responsibility for maintaining/increasing sales	
and ad sales; 4) come up with creative ideas to reach new advertisers; and 5) develop an overall theme for the	
yearbook and create sections and pages that represent this theme throughout the yearbook.	
Instructional Material: 1155 – Journalism Today! McGraw-Hill School Division, ISBN: 0658004042	Grade level: 9 – 12
Prerequisites: Advanced Journalism: Yearbook or Literary Magazine II, student must have held a leadership position	Credit(s): 0.5 - 1
for the publication for at least a year prior, and submit a portfolio for evaluation.	College Hour(s): NA
What's Next? Any offered elective	Tier II
ADVANCED BROADCAST JOURNALISM I AB	0714 AB
Course emphasizes radio and television broadcasting. Students are provided opportunities to understand radio	03231900
waves, the radio spectrum, and the history and significance of radio and television broadcasting. Students explore	-3-0.000
issues in legal and ethical responsibilities of non-print media, analyze non-print media coverage of news, and work	
within regulatory constraints. Students are also provided opportunities to distinguish between capabilities of print	
and non-print media news coverage, to select coverage, and to gather news.	Grade level: 9 - 12
nstructional Material: No state-adopted instructional material(s)/Contact Content Director	Credit(s): 0.5 - 1
Prerequisites: Taken in sequence	College Hour(s): NA
What's Next? Any offered elective	Tier III
ADVANCED BROADCAST JOURNALISM II AB	0716 AB
Provides opportunities for students to learn about the history and functions of broadcast media; laws and ethical	03231901
considerations affecting broadcast media; impact of radio/television on society; production techniques including	0020.00.
script writing, voice performance techniques, advertising strategies, career opportunities; and establishment of	
evaluation criteria. Students will produce, individually and in small groups, video productions emphasizing	
informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be	Grade level: 9 - 12
informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be included.	Grade level: 9 - 12
informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be included. Instructional Material: No state-adopted instructional material(s)/Contact Content Director	Credit(s): 0.5 - 1
informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be included. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Broadcast Journalism I	Credit(s): 0.5 - 1 College Hour(s): NA
informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be included. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Broadcast Journalism I What's Next? Any offered elective	Credit(s): 0.5 - 1 College Hour(s): NA Tier III
informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be included. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Broadcast Journalism I What's Next? Any offered elective PHOTOJOURNALISM AB	Credit(s): 0.5 - 1 College Hour(s): NA Tier III 0715 AB
informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be included. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Broadcast Journalism I What's Next? Any offered elective PHOTOJOURNALISM AB Provides opportunities to plan photographs and to illustrate news events with appropriate photos and captions. In	Credit(s): 0.5 - 1 College Hour(s): NA Tier III
informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be included. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Broadcast Journalism I What's Next? Any offered elective PHOTOJOURNALISM AB Provides opportunities to plan photographs and to illustrate news events with appropriate photos and captions. In addition, students learn to operate various types of cameras, light meters, and electronic strobes; to use the	Credit(s): 0.5 - 1 College Hour(s): NA Tier III 0715 AB
informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be included. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Broadcast Journalism I What's Next? Any offered elective PHOTOJOURNALISM AB Provides opportunities to plan photographs and to illustrate news events with appropriate photos and captions. In addition, students learn to operate various types of cameras, light meters, and electronic strobes; to use the darkroom; to use film processing supplies; and to identify available supplementary services. Students also learn to	Credit(s): 0.5 - 1 College Hour(s): NA Tier III 0715 AB 03230800
informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be included. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Broadcast Journalism I What's Next? Any offered elective PHOTOJOURNALISM AB Provides opportunities to plan photographs and to illustrate news events with appropriate photos and captions. In addition, students learn to operate various types of cameras, light meters, and electronic strobes; to use the darkroom; to use film processing supplies; and to identify available supplementary services. Students also learn to crop and scale photographs and are provided opportunities to apply principles of balance and contrast.	Credit(s): 0.5 - 1 College Hour(s): NA Tier III 0715 AB 03230800 Grade level: 9 - 12
informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be included. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Broadcast Journalism I What's Next? Any offered elective PHOTOJOURNALISM AB Provides opportunities to plan photographs and to illustrate news events with appropriate photos and captions. In addition, students learn to operate various types of cameras, light meters, and electronic strobes; to use the darkroom; to use film processing supplies; and to identify available supplementary services. Students also learn to crop and scale photographs and are provided opportunities to apply principles of balance and contrast. Instructional Material: No state-adopted instructional material(s)/Contact Content Director	Credit(s): 0.5 - 1 College Hour(s): NA Tier III 0715 AB 03230800 Grade level: 9 - 12 Credit(s): 0.5 - 1
informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be included. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Broadcast Journalism I What's Next? Any offered elective PHOTOJOURNALISM AB Provides opportunities to plan photographs and to illustrate news events with appropriate photos and captions. In addition, students learn to operate various types of cameras, light meters, and electronic strobes; to use the darkroom; to use film processing supplies; and to identify available supplementary services. Students also learn to crop and scale photographs and are provided opportunities to apply principles of balance and contrast. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Taken in sequence	Credit(s): 0.5 - 1 College Hour(s): NA Tier III 0715 AB 03230800 Grade level: 9 - 12 Credit(s): 0.5 - 1 College Hour(s): NA
Informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be included. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Broadcast Journalism I What's Next? Any offered elective PHOTOJOURNALISM AB Provides opportunities to plan photographs and to illustrate news events with appropriate photos and captions. In addition, students learn to operate various types of cameras, light meters, and electronic strobes; to use the darkroom; to use film processing supplies; and to identify available supplementary services. Students also learn to crop and scale photographs and are provided opportunities to apply principles of balance and contrast. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Taken in sequence What's Next? Any offered elective	Credit(s): 0.5 - 1 College Hour(s): NA Tier III 0715 AB 03230800 Grade level: 9 - 12 Credit(s): 0.5 - 1 College Hour(s): NA Tier III
informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be included. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Broadcast Journalism I What's Next? Any offered elective PHOTOJOURNALISM AB Provides opportunities to plan photographs and to illustrate news events with appropriate photos and captions. In addition, students learn to operate various types of cameras, light meters, and electronic strobes; to use the darkroom; to use film processing supplies; and to identify available supplementary services. Students also learn to crop and scale photographs and are provided opportunities to apply principles of balance and contrast. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Taken in sequence What's Next? Any offered elective INDEPENDENT STUDY/JOURNALISM T	Credit(s): 0.5 - 1 College Hour(s): NA Tier III 0715 AB 03230800 Grade level: 9 - 12 Credit(s): 0.5 - 1 College Hour(s): NA Tier III 3566 T
informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be included. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Broadcast Journalism I What's Next? Any offered elective PHOTOJOURNALISM AB Provides opportunities to plan photographs and to illustrate news events with appropriate photos and captions. In addition, students learn to operate various types of cameras, light meters, and electronic strobes; to use the darkroom; to use film processing supplies; and to identify available supplementary services. Students also learn to crop and scale photographs and are provided opportunities to apply principles of balance and contrast. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Taken in sequence What's Next? Any offered elective INDEPENDENT STUDY/JOURNALISM T Includes activities individually designed for high-achieving students who are interested in conducting research,	Credit(s): 0.5 - 1 College Hour(s): NA Tier III 0715 AB 03230800 Grade level: 9 - 12 Credit(s): 0.5 - 1 College Hour(s): NA Tier III
informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be included. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Broadcast Journalism I What's Next? Any offered elective PHOTOJOURNALISM AB Provides opportunities to plan photographs and to illustrate news events with appropriate photos and captions. In addition, students learn to operate various types of cameras, light meters, and electronic strobes; to use the darkroom; to use film processing supplies; and to identify available supplementary services. Students also learn to crop and scale photographs and are provided opportunities to apply principles of balance and contrast. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Taken in sequence What's Next? Any offered elective INDEPENDENT STUDY/JOURNALISM T Includes activities individually designed for high-achieving students who are interested in conducting research, producing original work in print or in some other medium, extensively developing an advanced skill, or studying a	Credit(s): 0.5 - 1 College Hour(s): NA Tier III 0715 AB 03230800 Grade level: 9 - 12 Credit(s): 0.5 - 1 College Hour(s): NA Tier III 3566 T
informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be included. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Broadcast Journalism I What's Next? Any offered elective PHOTOJOURNALISM AB Provides opportunities to plan photographs and to illustrate news events with appropriate photos and captions. In addition, students learn to operate various types of cameras, light meters, and electronic strobes; to use the darkroom; to use film processing supplies; and to identify available supplementary services. Students also learn to crop and scale photographs and are provided opportunities to apply principles of balance and contrast. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Taken in sequence What's Next? Any offered elective INDEPENDENT STUDY/JOURNALISM T Includes activities individually designed for high-achieving students who are interested in conducting research, producing original work in print or in some other medium, extensively developing an advanced skill, or studying a specific area of interest. Independent Study in Journalism may be repeated with different content each time it is	Credit(s): 0.5 - 1 College Hour(s): NA Tier III 0715 AB 03230800 Grade level: 9 - 12 Credit(s): 0.5 - 1 College Hour(s): NA Tier III 3566 T
informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be included. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Broadcast Journalism I What's Next? Any offered elective PHOTOJOURNALISM AB Provides opportunities to plan photographs and to illustrate news events with appropriate photos and captions. In addition, students learn to operate various types of cameras, light meters, and electronic strobes; to use the darkroom; to use film processing supplies; and to identify available supplementary services. Students also learn to crop and scale photographs and are provided opportunities to apply principles of balance and contrast. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Taken in sequence What's Next? Any offered elective INDEPENDENT STUDY/JOURNALISM T Includes activities individually designed for high-achieving students who are interested in conducting research, producing original work in print or in some other medium, extensively developing an advanced skill, or studying a specific area of interest. Independent Study in Journalism may be repeated with different content each time it is repeated for up to three state elective credits.	Credit(s): 0.5 - 1 College Hour(s): NA Tier III 0715 AB 03230800 Grade level: 9 - 12 Credit(s): 0.5 - 1 College Hour(s): NA Tier III 3566 T 032310##
informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be included. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Broadcast Journalism I What's Next? Any offered elective PHOTOJOURNALISM AB Provides opportunities to plan photographs and to illustrate news events with appropriate photos and captions. In addition, students learn to operate various types of cameras, light meters, and electronic strobes; to use the darkroom; to use film processing supplies; and to identify available supplementary services. Students also learn to crop and scale photographs and are provided opportunities to apply principles of balance and contrast. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Taken in sequence What's Next? Any offered elective INDEPENDENT STUDY/JOURNALISM T Includes activities individually designed for high-achieving students who are interested in conducting research, producing original work in print or in some other medium, extensively developing an advanced skill, or studying a specific area of interest. Independent Study in Journalism may be repeated with different content each time it is repeated for up to three state elective credits. Instructional Material: No state-adopted instructional material(s)/Contact Content Director	Credit(s): 0.5 - 1 College Hour(s): NA Tier III 0715 AB 03230800 Grade level: 9 - 12 Credit(s): 0.5 - 1 College Hour(s): NA Tier III 3566 T 032310## Grade level: 11 - 12
informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be included. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Broadcast Journalism I What's Next? Any offered elective PHOTOJOURNALISM AB Provides opportunities to plan photographs and to illustrate news events with appropriate photos and captions. In addition, students learn to operate various types of cameras, light meters, and electronic strobes; to use the darkroom; to use film processing supplies; and to identify available supplementary services. Students also learn to crop and scale photographs and are provided opportunities to apply principles of balance and contrast. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Taken in sequence What's Next? Any offered elective INDEPENDENT STUDY/JOURNALISM T Includes activities individually designed for high-achieving students who are interested in conducting research, producing original work in print or in some other medium, extensively developing an advanced skill, or studying a specific area of interest. Independent Study in Journalism may be repeated with different content each time it is repeated for up to three state elective credits. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: None	Credit(s): 0.5 - 1 College Hour(s): NA Tier III 0715 AB 03230800 Grade level: 9 - 12 Credit(s): 0.5 - 1 College Hour(s): NA Tier III 3566 T 032310## Grade level: 11 - 12 Credit(s): 0.5
informational, documentary, and dramatic themes. All steps of production from script writing to tape editing will be included. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Advanced Broadcast Journalism I What's Next? Any offered elective PHOTOJOURNALISM AB Provides opportunities to plan photographs and to illustrate news events with appropriate photos and captions. In addition, students learn to operate various types of cameras, light meters, and electronic strobes; to use the darkroom; to use film processing supplies; and to identify available supplementary services. Students also learn to crop and scale photographs and are provided opportunities to apply principles of balance and contrast. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: Taken in sequence What's Next? Any offered elective INDEPENDENT STUDY/JOURNALISM T Includes activities individually designed for high-achieving students who are interested in conducting research, producing original work in print or in some other medium, extensively developing an advanced skill, or studying a specific area of interest. Independent Study in Journalism may be repeated with different content each time it is repeated for up to three state elective credits. Instructional Material: No state-adopted instructional material(s)/Contact Content Director Prerequisites: None What's Next? Any offered elective 032310## - 1st Time ##=00, 2nd time ##=11, 3rd Time ##=22	Credit(s): 0.5 - 1 College Hour(s): NA Tier III 0715 AB 03230800 Grade level: 9 - 12 Credit(s): 0.5 - 1 College Hour(s): NA Tier III 3566 T 032310## Grade level: 11 - 12

INDEPENDENT STUDY IN JOURNALISM AB	0717 AB
ncludes activities individually designed for high-achieving students who are interested in conducting research,	032310##
producing original work in print or in some other medium, extensively developing an advanced skill, or studying a	
specific area of interest. Independent Study in Journalism may be repeated with different content each time it is	
repeated for up to three state elective credits.	
nstructional Material: No state-adopted instructional material(s)/Contact Content Director	Grade level: 11 - 12
Prerequisites: Taken in sequence	Credit(s): 0.5-1
What's Next? Any offered elective	College Hour(s): NA
032310## - 1st Time ##=00, 2nd time ##=11, 3rd Time ##=22	Tier III
AP CAPSTONE PROGRAM – COURSE 1: AP SEMINAR	3065 AB
n AP Seminar, students investigate real-world issues from multiple perspectives, gathering and analyzing	N1130026
nformation from various sources in order to develop credible and valid evidence-based arguments. Students	
engage in cross-curricular conversations that explore the complexities of academic and real-world topics and issues	
by analyzing divergent perspectives.	
Students learn to synthesize information from multiple sources, develop their own perspectives in research-based	
written essays, and design and deliver oral and visual presentations, both individually and as a part of a team.	Grade level: 9 - 12
nstructional Material: St. Martin's Guide to Writing, Bedford, Freeman, & Worth, ISBN: 1319245072	Credit(s): 0.5 - 1
Prerequisites: None	College Hour(s): NA
What's Next? NA	Tier I
Teachers with an emergent bilingual student enrolled in the course must be English and ESL certified.	
AP CAPSTONE PROGRAM – COURSE 2: AP RESEARCH	3067 AB
n AP Research, students cultivate the skills and discipline necessary to conduct independent research in order to	N1100014
produce and defend a scholarly academic thesis. Students explore an academic topic, problem, or area of	
ndividual interest deeply. Through this exploration, they design, plan, and conduct a yearlong mentored, research-	
pased investigation to address a research question. In this course, students further skills acquired in the AP	
Seminar course by understanding research methods, employing ethical research practices, and accessing, analyzing,	
and synthesizing information as they address a research question. The course culminates in an academic thesis	
paper of approximately 5000 words and a presentation, performance, or exhibition with an oral defense.	
nstructional Material: No state-adopted instructional material(s)/Contact Content Director	Grade level: 10 - 12
Prerequisites: AP Capstone Program – Course 1: AP Seminar	Credit(s): 0.5 - 1
What's Next? NA	College Hour(s): NA
WHAT S NEXT: NA	55.15gc 1.15dl (5)1.111.

Reading

Grade level: Credit(s): 0.5-1 College Hour(s): NA Fier III B943 AB / 3943 T B944 AB B964 AB
Credit(s): 0.5-1 College Hour(s): NA Fier III B943 AB / 3943 T B944 AB B964 AB
8943 AB / 3943 T 8944 AB 8964 AB
Grade level: Credit(s): 0.5-1 College Hour(s): NA
ier III 3955 T
3270100 Grade level: 9 – 12 Credit(s): 0.5 College Hour(s): NA

<u>Instructional Material:</u> No state-adopted instructional material/ contact content director

<u>Prerequisites:</u> Students having a passing reading grade of 80%or better on the Grade 8 STAAR Reading subtest <u>What's Next?</u> English II AB; English IV AB

Teachers with an emergent bilingual student enrolled in the course must be ELAR and ESL certified.

Speech Graduation Requirements

ALL STUDENTS ARE REQUIRED to take 1 semester of Speech

All Plans (22 & 26 credits) Require 0.5 Credit in Speech

Speech (1/2 Credit) may be selected from the following

- Professional Communications (CTE course in each cluster)
- Communication Applications
- Public Speaking
- Debate I
- Honors Debate I
- Independent Study in Speech
- DC Communication Applications

PROFESSIONAL COMMUNICATIONS T	AV09901 T
Professional Communications (CTE Course) blends written, oral, and graphic communication in a career-based	13009900
environment. Careers in the global economy require individuals to be creative and have a strong background in	
computer and technology applications, a strong and solid academic foundation, and a proficiency in professional	
oral and written communication. Within this context, students will be expected to develop and expand the ability to	
vrite, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet	
esearch.	Grade level: 9 – 12
nstructional Material: Fundamentals of Business Communication, Goodheart-Willcox Publisher; ISBN: 9781605254722	Credit(s): 0.5
Prerequisites: None	College Hour(s): NA
<u>Vhat's Next?</u> NA	Tier III
Professional Communications can be taught by any teacher certified in speech or any teacher with a Career and	
Fechnical Education certification who holds a baccalaureate degree and has completed six semester credit hours in speed	ch.
eachers with an emergent bilingual student enrolled in the course must be CTE or Speech and ESL certified.	
DUAL CREDIT PROFESSIONAL COMMUNICATION T	AVD09901 T
TCC Course: Business and Professional Communication (SPCH 1321)	13009900
TWU Course: Fundamentals of Speech (SPC 1301)	
Study and application of communication within the business and professional context. Special emphasis will be given	Grade level: NA
o communication competencies in presentations, dyads, teams and technologically mediated formats.	ECHS: 9 - 12
nstructional Material: NA	Credit(s): 0.5
WISD & TCC Prerequisites: None	College Hour(s): 3 hours
WU Prerequisites: Only offered at Dunbar	Tier I
<u>What's Next?</u> NA	
Course taught by an approved adjunct instructor.	
COMMUNICATION APPLICATIONS T	3126 T
Understanding and developing skills in communication are fundamental to all other learning and to all levels of	03241400
numan interaction. For successful participation in professional and social life, students must develop effective	
communication skills. Rapidly expanding technologies and changing social and corporate systems demand that	
tudents send clear verbal messages, choose effective nonverbal behaviors, listen for desired results, and apply valid	
critical-thinking and problem-solving processes. Students enrolled in Communication Applications will be expected	
o identify, analyze, develop, and evaluate communication skills needed for professional and social success in	
nterpersonal situations, group interactions, and personal and professional presentations. When possible, students	
nterpersonal situations, group interactions, and personal and professional presentations. When possible, students should consider taking Professional Communications (CTE) in lieu of this course.	Grade level: 9 – 12
	Grade level: 9 – 12 Credit(s): 0.5
hould consider taking Professional Communications (CTE) in lieu of this course.	
should consider taking Professional Communications (CTE) in lieu of this course. <u>Instructional Material:</u> 1103 – Communication Applications, McGraw-Hill School Division, ISBN: 0538429186	Credit(s): 0.5

DUAL CREDIT COMMUNICATION APPLICATIONS T TCC Course: Introduction to Speech Communication (SPCH 1211)	3129 T
TCC Course: Introduction to Speech Communication (SPCH 1311) Introduces basic human communication principles and theories embedded in a variety of contexts including	03241400
introduces basic numan communication principles and theories embedded in a variety of contexts including interpersonal, small group, and public speaking.	Grade level: 11 - 12
nstructional Material: NA	ECHS: 9 - 12
FWISD & TCC Prerequisites: None	Credit(s): 0.5
What's Next? NA	College Hour(s): 3 hours
Course taught by an approved adjunct instructor	Tier I
ORAL INTERPRETATION I, II, III AB	3713 AB
iterature and its presentation are integral to understanding the cultural aspects of a society. Students in Oral	03240200
nterpretation I, II, III will select, research, analyze, adapt, interpret, and perform literary texts as a communication art.	032 10200
Students focus on intellectual, emotional, sensory, and aesthetic levels of texts to attempt to capture the entirety of	
he author's work. Individual or group performances of literature will be presented and evaluated.	Grade level: 9 - 12
nstructional Material: No state-adopted textbook/Contact ELA Director	Credit(s): 1-3
Prerequisites: None	College Hour(s): NA
<u>Vhat's Next?</u> Public Speaking I AB; Debate I AB; Any offered elective	Tier III
Feachers with an emergent bilingual student enrolled in the course must be Speech and ESL certified.	TICL III
PUBLIC SPEAKING I AB	3715 AB
n order to have full participation in the civic process, students must have a good understanding of public dialogue.	03240900
Students must learn the concepts and skills related to preparing and presenting public messages and to analyzing	55 <u>2</u> -10500
and evaluating the messages of others. Within this process, students will gain skills in reading, writing, speaking,	
istening, and thinking and will examine areas such as invention, organization, style, memory, and delivery.	Grade level: 9 – 12
nstructional Material: 1136 – Public Speaking Today! McGraw-Hill School Division, ISBN: 0844203696	Credit(s): 0.5 - 1
Prerequisites: None	College Hour(s): NA
	Tier III
<u>What's Next?</u> Oral Interpretation I AB; Debate I AB; Any offered elective	Her III
Feachers with an emergent bilingual student enrolled in the course must be Speech and ESL certified. DEBATE I AB	3717 AB
Controversial issues arise in aspects of personal, social public, and professional life in modern society. Debate and	03240600
argumentation are widely used to make decisions and reduce conflict. Students who develop skills in argumentation	03240000
and debate become interested in current issues, develop sound critical thinking, and sharpen communication skills.	
They acquire life-long skills for intelligently approaching controversial issues.	
nstructional Material: 1129 – Lincoln Douglas Debate: Values in Conflict, Perfection Learning Corporation, ISBN:	Grade level: 9 – 12
9931054613	Credit(s): 1
Prerequisites: None	College Hour(s): NA
<u>What's Next?</u> Oral Interpretation I AB; Public Speaking I AB; Debate II AB	Tier III
Teachers with an emergent bilingual student enrolled in the course must be Speech and ESL certified.	Her III
HONORS DEBATE I ABH	3718 ABH
This program begins with the study of forensic debate. Students will develop skills in research including in-depth	03240600
	03240000
reading and formulation of ideas both written and oral. Students will construct arguments that demonstrate an understanding of multiple and varied topics. A key element to this course is the organization of research materials.	
The course will provide practice and theory emphasizing use of refutation, debate strategy, and evaluation as applied	
to forensic debate. Students will understand how to use refutation, debate strategies and evaluation methods as	
applied in forensic debate with focus on UIL practice competition.	
nstructional Material: 1129 – Lincoln Douglas Debate: Values in Conflict, Perfection Learning Corporation, ISBN:	Grade level: 9 – 12
<u>nstructional Material.</u> 1729 – Efricoin Douglus Debute. Values in Conflict, Perfection Learning Corporation, ISBN: 0931054613	Credit(s): 1
Prerequisites: None	College Hour(s): NA
	Tier II
What's Next? Oral Interpretation I AB; Public Speaking I AB; Debate II AB [Rachers with an emergent hilingual student enrolled in the course must be Speech and ESI, certified	ilei ii
Feachers with an emergent bilingual student enrolled in the course must be Speech and ESL certified. DEBATE II AB	3719 AB
Controversial issues arise in aspects of personal, social public, and professional life in modern society. Debate and	03240700
	03240700
argumentation are widely used to make decisions and reduce conflict. Students who develop skills in argumentation	
and debate become interested in current issues, develop sound critical thinking, and sharpen communication skills.	
They acquire life-long skills for intelligently approaching controversial issues.	Crada lavali 10 10
Instructional Material: 1129 – Lincoln Douglas Debate: Values in Conflict, Perfection Learning Corporation, ISBN: 0931054613	Grade level: 10 – 12 Credit(s): 1
0931034613	College Hour(s): NA

Prerequisites: Debate I	
What's Next? Debate III AB; Any offered elective	Tier III
Teachers with an emergent bilingual student enrolled in the course must be Speech and ESL certified.	
HONORS DEBATE II ABH	3720 ABH
This program provides students with opportunities to further the study done in Debate I. Students will develop skills	03240700
in argumentation and debate with the associated skills of research, writing, and developing presentations. The	
course will allow for student involvement in Lincoln-Douglas Debate, Cross-Examination Debate, and	
Extemporaneous Speaking. Elective credit only.	
Instructional Material: 1129 – Lincoln Douglas Debate: Values in Conflict, Perfection Learning Corporation, ISBN:	Grade level: 10 – 12
0931054613	Credit(s): 1
<u>Prerequisites:</u> Debate I	College Hour(s): NA
What's Next? Debate III AB; Any offered elective	Tier II
Teachers with an emergent bilingual student enrolled in the course must be Speech and ESL certified.	
DEBATE III AB	3721 AB
Controversial issues arise in aspects of personal, social public, and professional life in modern society. Debate and	03240800
argumentation are widely used to make decisions and reduce conflict. Students who develop skills in argumentation	
and debate become interested in current issues, develop sound critical thinking, and sharpen communication skills.	
They acquire life-long skills for intelligently approaching controversial issues.	
<u>Instructional Material:</u> 1129 – Lincoln Douglas Debate: Values in Conflict, Perfection Learning Corporation, ISBN:	Grade level: 10 – 12
0931054613	Credit(s): 1
<u>Prerequisites:</u> Debate II	College Hour(s): NA
What's Next? Any offered elective	Tier III
Teachers with an emergent bilingual student enrolled in the course must be Speech and ESL certified.	
HONORS DEBATE III ABH	3722 ABH
This program provides students with opportunities to further the study done in Debate II. Students will develop skills	03240800
in argumentation and debate with the associated skills of research, writing, and developing presentations. The	
course will allow for student involvement in Lincoln-Douglas Debate, Cross-Examination Debate, and	
Extemporaneous Speaking. Elective credit only.	
<u>Instructional Material:</u> 1129 – Lincoln Douglas Debate: Values in Conflict, Perfection Learning Corporation, ISBN:	Grade level: 10 – 12
0931054613	Credit(s): 1
<u>Prerequisites:</u> Debate II	College Hour(s): NA
What's Next? Any offered elective	Tier II
Teachers with an emergent bilingual student enrolled in the course must be Speech and ESL certified.	
DUAL CREDIT INDEPENDENT STUDY IN SPEECH T	3130 T
TCC Course: Public Speaking (SPCH 1315)	
Application of communication theory and practice to the public speaking context, with emphasis on audience	03241200
analysis, speaker delivery, ethics of communication, cultural diversity, and speech organizational techniques to	Grade level: NA
develop students speaking abilities, as well as ability to effectively evaluate oral presentations.	ECHS: 9 - 12
Instructional Material: NA	Credit(s): 0.5
FWISD & TCC Prerequisites: None	College Hour(s): 3 Hours
What's Next? NA	Tier I

FOUNDATION PLANS

MATHEMATICS GRADUATION REQUIREMENTS

ALL STUDENTS ARE REQUIRED to take Algebra I (EOC) & Geometry

Foundation Plan:

Foundation Plan w/ Endorsements:

Distinguished Level of Achievement:

- 22 credits
- · Requires only 3 math credits
- 26 credits
- · Requires 4 math credits
- 26 credits
- · Requires 4 math credits
- Requires Algebra II

The 3rd Math credit is subject to

prerequisite requirements.

The 3rd Math credit options:

- Algebra II
- Math Models w/ Applications
- Robotics Programming & Design
- Digital Electronics
- Math Apps in Aq, Food, & Natural Resources
- Accounting II
- Robotics II
- Financial Mathematics
- · Applied Mathematics for Technical Professionals
- Manufacturing Engineering Technology II

credit or a combination of two half credits from two different courses, subject to prerequisite requirements.

The 4th Math credit may be selected from one full

The 4th Math credit options:

- Algebra II
- DC College Algebra
- OnRamps College Algebra
- Precalculus
- . DC Pre-Calculus Math
- OnRamps Pre-Calculus
- Statistics
- AP Statistics
- DC Statistics
- · OnRamps Statistics
- Algebraic Reasoning
- Independent Study in Mathematics
- Adv Quantitative Reasoning
- Engineering Mathematics
- Statistics & Business Decision Making
- · Mathematics for Medical Professionals
- Discrete Math for Computer Science
- Discrete Math for Problem Solving
- DC Multivariable Calculus
- · AP Calculus AB or BC
- · DC Calculus AB or BC
- AP Computer Science A
- College Preparatory Math
- DC Linear Algebra
- DC Differential Equations
- DC Differential Equations and Linear Algebra

Math Models and Algebra II can be taken concurrently.

- Math Models counts as the 3rd math
- Algebra II counts as the 4th math credit

Mathematics

Mathematics Recommended Course Sequence and Testing Guide

	Traditional		Advanced		Accelerated	
6th	Gr 6 Math: 0200	STAAR Gr 6	Advanced Gr 6 Math: 0204	STAAR Gr 6	Accelerated Gr 6 Math: 0205	STAAR Gr 8
7th	Gr 7 Math: 0202	STAAR Gr 7	Advanced Gr 7 Math: 0207	STAAR Gr 8	Honors Algebra I: 7055	Alg I EOC
8th	Gr 8 Math: ₀₂₀₃	STAAR Gr 8	Honors Algebra 1: 7055	Alg I EOC	Honors Geometry: 7073	STAAR Gr 8
9th	Algebra I: 7051	Alg I EOC	Honors Geometry: 7073	PSAT	Honors Algebra II: 7057 or OnRamps College Alg: 7050	PSAT
10th	Geometry: 7071	PSAT	Honors Algebra II: 7057 or OnRamps College Alg: 7050	PSAT	Honors Precalculus: 7123 AP Precalculus 7140AB; OR OnRamps Precalculus: 7119	PSAT SAT, ACT TSI
11th	Algebra II: 7053	ACT SAT TSI	Honors Precalculus: 7123 AP Precalculus 7140AB: OR OnRamps Precalculus: 7119	ACT SAT TSI	AP/DC/OnRamps Math Electives or Ind Study	SAT ACT TSI
12th	4th Math or CTE Equivalent	ACT SAT TSI	AP/DC/OnRamps Math Electives or Ind Study	Exams vary by course	AP/DC/OnRamps Math Electives or Ind Study	Exams vary by course

ALGEBRA I AB	7051 AB
SHELTERED ALGEBRA I AB – NP	7043 AB
SHELTERED ALGEBRA I AB	7048 AB
ALGEBRA I AB	70515 AB
Students will study linear, quadratic, and exponential functions and their transformations, equations, and associated	03100500
solutions in both mathematical and real-world situations. Students will use technology to collect and explore data	
and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical	
expressions, sequences and laws of exponents. Algebra I is required for graduation.	
<u>Instructional Material:</u> 1521 – Algebra 1 Texas Hybrid Consumable Student Resource, Houghton Mifflin Harcourt; ISBN:	Grade level: 9
9780544555730	Credit(s): 1
<u>Prerequisites:</u> Mathematics, Grade 8 or its equivalent	College Hour(s): NA
What's Next? Geometry or Honors Geometry	Tier III
Students will take the Algebra I EOC.	
All Newcomer Program teachers must be content and ESL certified.	
HONORS ALGEBRA I AB	7055 AB
SHELTERED HONORS ALGEBRA I AB	7047 AB
Extends and builds on the foundation for the Advanced Placement program. Includes all of the regular Algebra I	03100500
course with extensions, both independent and guided, in the application of algebraic concepts, the analysis of	
historical development of algebra, and the relationships of the major ideas of algebra and geometry.	
Algebra I is required for graduation.	
Instructional Material: XXXX-SpringBoard Algebra 1, CollegeBoard; ISBN: 9781457300394	Grade level: 9
Prerequisites: Mathematics, Grade 8 or its equivalent and student interest	Credit(s): 1
What's Next? Geometry or Honors Geometry	College Hour(s): NA
Course taught by a locally certified gifted teacher or AP trained teacher.	Tier II
Students will take the Algebra I EOC.	

PROBLEM SOLVING IN MATHEMATICS AB	7056 AB
Provides instruction for students who need additional problem-solving strategies. Basic operations with real	N/A
numbers, number concepts, algebraic relations, geometric properties, measurement, estimation, solution strategies,	
mathematical representations and reasonableness of problem situations will be included in this course. Students	6 0 10
must complete the three state-required credits in mathematics for graduation. Local credit only, does not count	Grade level: 9 – 12
toward graduation requirements. Instructional Material: No state-adopted instructional material(s)/Local credit only/Contact Mathematics Director	Credit(s): N/A
Prerequisites: None	College Hour(s): NA Tier III
Local credit only, does not count toward graduation requirements.	Her III
GEOMETRY I AB	7071 AB
SHELTERED GEOMETRY I AB – NP	7071 AB 7069 AB
SHELTERED GEOMETRY I AB	7070 AB
GEOMETRY I AB	70715 AB
Students will begin to focus on more precise terminology, symbolic representation, and the development of proofs.	03100700
Students will explore concepts covering coordinate and transformational geometry; logical arguments and	
constructions; proof and congruence; similarity, proof and trigonometry; two- and three-dimensional figures; circles;	
and probability. Students will connect previous knowledge from Algebra I to Geometry through the coordinate and transformational geometry strand. Geometry is required for graduation.	Grade level: 9 - 10
nstructional Material: 1534 - Geometry Texas Hybrid Consumable Student Resource, Houghton Mifflin Harcourt; ISBN:	Credit(s): 1
<u>nstructional Material.</u> 1534 - Geometry Texus Hybria Consumable Student Resource, Houghton Miljitin Harcourt, ISBN. 9780544555990	College Hour(s): NA
Prerequisites: Algebra I or Honors Algebra I	Tier III
What's Next? Algebra II or Honors Algebra II	ilei iii
All Newcomer Program teachers must be content and ESL certified.	
HONORS GEOMETRY AB	7073 AB
SHELTERED HONORS GEOMETRY AB	7073 AB 7074 AB
Extends and builds on the foundation for the Advanced Placement program. Includes all of regular geometry course	03100700
with extensions, both independent and guided, from advanced topics. Instruction focuses on the use of higher levels	03100700
of understanding, such as relationships of ideas, analysis of investigations, and prediction of results.	Grade level: 9 – 10
Geometry is required for graduation.	Credit(s): 1
Instructional Material: _SpringBoard Geometry, CollegeBoard; ISBN: 9781457300400	College Hour(s): NA
Prerequisites: Algebra I or Honors Algebra I and student interest	Tier II
<u>What's Next?</u> Algebra II or Honors Algebra II	
Course taught by a locally certified gifted teacher or AP trained teacher.	
MATHEMATICAL MODELS WITH APPLICATIONS I AB	7052 AB
This mathematics course provides a path for students to succeed in Algebra II and prepares them for post-	03102400
secondary choices. Students learn to apply mathematics through experiences in personal finance, science,	Grade level: 10 – 12
engineering, fine arts, and social sciences. Students use algebraic, graphical, and geometric reasoning to apply their	Credit(s): 1
mathematical knowledge. This course can be taken concurrently with Geometry or with Algebra II. This course can	College Hour(s): NA
count as the third math credit.	Tier III
Instructional Material: 1523 - Math Models with Applications, Pearson; ISBN: 9781269888738	
<u>Prerequisites:</u> Algebra I	
<u>What's Next?</u> Algebra II	
COLLEGE PREPARATORY MATH I (DEVELOPMENTAL MATH) - BEGINNING ALGEBRA	7040 A CP
(MATH 0361)	
COLLEGE PREPARATORY MATH II (DEVELOPMENTAL MATH) - INTERMEDIATE ALGEBRA	7040 B CP
(MATH 0362)	
This is a College Preparatory course intended to help students hone their skills prior to taking the TSIA college	CP111200
placement exam.	
Instructional Material: McGraw Hill; Beginning and Intermediate Algebra with POWER and ALEKS; Messersmith	
Prerequisites: Students who have not yet met college readiness standards, but have completed three credits in math.	Grade level: 11-12
What's Next? N/A	Credit(s): 1
Credits may or may not be available to count toward graduation. Students on the Foundation HS Plan may earn	College Hour(s): N/A
advanced mathematics credit for a Math College Preparatory course (both semesters are required) only if the student	Tier III
has already completed the three previous mathematics credit requirements for the Foundation Program prior to taking	Her III
these courses.	
This course is a preparation course for success on TSIA and will no longer provide exemption at TCCD.	
 In accordance with TAC, \$74.26, students may be awarded a half credit for successful completion of half of 	
the college preparatory mathematics course. This half credit, when paired with another half credit from the	
list of allowable advanced mathematics courses, may satisfy the advanced mathematics requirement for	
students pursuing an endorsement.	
The City Boundary and anadomical	

These College Preparatory courses are developmental courses and will not provide any dual credit.

College Preparatory Math information:

- Districts are required to offer a full year of CP Math (unlike English where TEA states that a district can offer .5 or 1 credit of CP English).
- Students must be enrolled in the full credit course.
- If a student only passes one semester, credit is awarded for that one semester.
- The student can then combine that one semester with a semester from a different course (including AQR).
- The student needs a full year of CP math in order to enroll in a credit-bearing math course at TCC.

See the decision-point situations listed below that a student should consider in determining if this course will provide the benefits he/she needs.

- If the student has not passed Algebra I EOC, then complete all coursework in HS needed to pass the EOC
 exam. Students who have not passed the Algebra I EOC can be scheduled into the course for their senior
 year if they have received three credits in math.
- Students on the Foundation HS Program may earn advanced mathematics credit for a Math College Preparatory course (both semesters required=1 credit) only if the student has already completed the three previous mathematics credit requirements for the Foundation Program prior to taking this class.
- This course is to be taught on a high school campus, but may not be available at all high school campuses. Availability of the high school classes will be based on student's requests.
- 4. NCAA does not recognize College Preparatory Mathematics as a 4th year math course. If a student has the potential of attending a Division 1 or Division 2 school that is governed by NCAA, please contact the content Director for scheduling assistance.

•	tential of attending a Division 1 or Division 2 school that is governed by NCAA, please contact the ntent Director for scheduling assistance.	
	ge Bridge Math (Online)*	9006T
	ege Preparatory course intended to help students be successful on TSIA and to hone their skills prior to ate level mathematics. Students are scheduled in this course during a zero hour.	CP111200
	Material: Texas College Bridge stipulates the resources and requires teacher training Students who have not yet met college readiness standards, but have completed three credits in math. N/A	Grade level: 11-12 Credit(s): 1.0 College Hour(s): N/A
	tudents are taking this course as a stand-alone course, then they will need to be scheduled into a zero ur or 9 th hour course.	Tier III *This course counts for
ThiFor	This course can only be paired with College Preparatory Math if it is to be taken during the school day.	
In accordance preparatory r	e with TAC, §74.26, students may be awarded a half credit for successful completion of half of the college nathematics course. This half credit, when paired with another half credit from the list of allowable thematics courses, may satisfy the advanced mathematics requirement for students pursuing an	
	s course is a preparation course for success in collegiate level mathematics and will provide exemption at the partner with Texas College Bridge.	
	idents will receive a certificate of completion upon finishing both Stage 1 and Stage 2 to share with leges or universities that partner with Texas College Bridge and the student intends to enroll.	
_	e Preparatory courses are developmental courses and will not provide any dual credit. See the decision- ns listed below that a student should consider in determining if this course will provide the benefits	
1. 2. 3.	If the student is not enrolled in a program that offers a certification/licensure. If the student is not within 3 college credit hours in Math/English or 9 college credit hours in other. If student is not enrolled in a Dual Credit, IB, AP, nor OnRamps Course or if student grades and/or test	
4. 5.	scores are not aligned with success for the student enrolled in the course. If student intends to enlist in the military and no other CCMR pathway is assigned. If student is not enrolled in any CCMR course or programs.	
6.	If student wants to participate in the program for TSIA prep or other reasons.	
ALGEBRA I	I AB	7053 AB
SHELTERED	ALGEBRA II AB – NP	7068 AB
SHELTERED	ALGEBRA II AB	7060 AB
ALGEBRA I		70535 AB
	d on their previous algebraic skills. Students will broaden their knowledge of quadratic functions and unctions, and systems of equations. Students will study logarithmic, square root, cubic, cube root,	03100600
	e, rational functions, and their related equations, inverses in both mathematical and real-world	Grade level: 9 - 12

9780544556201

Instructional Material: 1526 -Algebra 2 Texas Hybrid Consumable Student Resource, Houghton Mifflin Harcourt; ISBN:

Credit(s): 1

Tier III

College Hour(s): NA

What's Next? Precalculus or Honors Precalculus	
All Newcomer Program teachers must be content and ESL certified.	
HONORS ALGEBRA II AB SHELTERED HONORS ALGEBRA II AB	7057 AB 7075 AB
Extends and builds on the foundation for the Advanced Placement program. Includes the entire regular Algebra II	03100600
course with extensions, both independent and guided, in the areas of probability, trigonometry functions, triangle	03100000
problems, and arithmetic sequences and series with emphasis on real-world situations.	Grade level: 9 - 12
Instructional Material: XXXX-SpringBoard Algebra 2, CollegeBoard; ISBN: 9781457300417	Credit(s): 1
<u>Prerequisites:</u> Algebra I, Honors Algebra I, and student interest	College Hour(s): NA
Recommended Prerequisites: Geometry, or Honors Geometry	Tier II
What's Next? Precalculus or Honors Precalculus On Parties Callerine Allerhan A.B.	7050 AB
OnRamps College Algebra AB In this course, students deepen their critical thinking skills and develop their ability to persist through challenges as	7050 AB 03100600
they explore function families: Linear, Absolute Value, Quadratic, Polynomial, Radical, Rational, Exponential, and	03 100000
Logarithmic. Students analyze data algebraically and with technology while developing their knowledge of properties	Grade level: 9 – 12
of functions, matrices and systems of equations, and complex numbers. OnRamps works through a dual enrollment	Credit(s): 1
model. Using a hybrid delivery approach, students meet rigorous university-level college readiness standards and	College Hour(s): 3 hours
have the opportunity to earn UT Austin credit from a UT faculty member and high school credit from their local	Tier I
teacher.	
NOTE: This course provides the same credit as Algebra II or Honors Algebra II.	
Instructional Material: Selected and provided by the University of Texas at Austin	
Prerequisites: Algebra 1 Recommended Prerequisites: Geometry	
What's Next? N/A	
PRECALCULUS I AB	7121 AB
Precalculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends	03101100
their ability to make connections and apply concepts and procedures at high levels in both mathematical and real-	
world situations. This course provides the necessary foundation for advanced placement or college calculus.	Grade level: 10 - 12
Instructional Material: 1549 SpringBoard Precalculus, CollegeBoard; ISBN: 9781457300424	Credit(s): 1
<u>Prerequisites:</u> Algebra I or Honors Algebra I, Geometry or Honors Geometry and Algebra II or Honors Algebra II	College Hour(s): NA
What's Next? AP Calculus AB or AP Statistics	Tier III
HONORS PRECALCULUS I AB	7123 AB
SHELTERED HONORS PRECALCULUS I AB	7118 AB
Extends and builds on the foundation for the Advanced Placement program. Includes the entire regular Precalculus	03101100
course with extensions, both guided and independent, in the areas of symbolic logic, linear programming, and	Crada laval, 10 12
applications of polar coordinates, and topics from discrete mathematics. This course provides the necessary foundation for advanced placement or college calculus	Grade level: 10 – 12 Credit(s): 1
Instructional Material: 1549 SpringBoard Precalculus, CollegeBoard; ISBN: 9781457300424	College Hour(s): NA
<u>Prerequisites:</u> Algebra I or Honors Algebra I, Geometry or Honors Geometry and Algebra II or Honors Algebra II	Tier II
What's Next? AP Calculus AB or AP Statistics	
DUAL CREDIT PRECALCULUS I A	7122 A
TCC Course: College Algebra (MATH 1314)	
TWU Course: Precalculus (MAT 1302)	
In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of	03101100
equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.	
Computer software materials fee charged for some sections.	
Instructional Material: N/A	
<u>FWISD Prerequisites:</u> Algebra II and Geometry or Honors Algebra II and Honors Geometry	Grade level: 11 – 12
<u>TCC Prerequisites</u> : TSI compliant in mathematics <u>TWU Prerequisites</u> : Only offered at Dunbar	Credit(s): 0.5
Early College High School Grade Placement: 9 -12	College Hour(s): 3 hours Tier I
What's Next? MATH 2412	
Course taught by an approved adjunct instructor	
DUAL CREDIT PRECALCULUS I B	7120 B
TCC Course: PreCalculus Math (MATH 2412)	
TWU Course: Precalculus (MAT 1303)	
In-depth combined study of algebra, trigonometry, and other topics for calculus readiness. Includes the study of	03101100
elementary functions, both algebraic and trigonometric, their graphs and applications. These functions include	Grade level: 11 – 12
polynomial, rational, exponential, logarithmic and trigonometric. This is a regular college-level Precalculus course in	Credit(s): 0.5
which dual credit will be awarded for college Precalculus and high school Precalculus B.	College Hour(s): 4 hours
Instructional Material: N/A	Tier I
FWISD & TCC Prerequisites: MATH-1314 or MATH-1316 with a minimum grade of C	
TWU Prerequisites: MAT 1302; Only offered at Dunbar	
Early College High School Grade Placement: 9 - 12	
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What's Next? MATH 2413	
Course taught by an approved adjunct instructor.	
OnRamps PRECALCULUS I AB	7119 AB
Students will deepen and extend their knowledge of functions, graphs and equations from their high school Algebra and Geometry courses so they can successfully work on concepts in a rigorous university-level calculus course. An	03101100
emphasis on unpacking mathematical definitions and making logical arguments will empower students to develop	Grade level: 11-12
their problem-solving skills and create connections to prior concepts. OnRamps works through a dual enrollment	Credit(s): 1
model. Using a hybrid delivery approach, students meet rigorous university-level college readiness standards and	College Hour(s): 3 hours
have the opportunity to earn UT Austin credit from a UT faculty member and high school credit from their local	Tier I
teacher.	
Instructional Material: Selected and provided by University of Texas at Austin	
<u>Prerequisites:</u> Algebra II, Geometry <u>What's Next?</u> AP Calculus AB or Dual Credit AP Calculus AB (TSI compliant in mathematics)	
AP PRECALCULUS I AB	7140AB
AP Precalculus centers on functions modeling dynamic phenomena. This research-based exploration of functions is	03100100
designed to better prepare students for college-level calculus and provide grounding for other mathematics and	
science courses. In this course, students study a broad spectrum of function types that are foundational for careers in	Grade level: 11-12
mathematics, physics, biology, health science, business, social science, and data science. Furthermore, as AP	Credit(s): 1
Precalculus may be the last mathematics course of a student's secondary education, the course is structured to	College Hour(s): 3 hours
provide a coherent capstone experience rather than exclusively focusing on preparation for future courses.	Tier I
Instructional Material: 1549 SpringBoard Precalculus, CollegeBoard; ISBN: 9781457300424 or adopted resource/	
curriculum	
Prerequisites: Algebra II or Honors Algebra II	
What's Next? AP Calculus AB or Dual Credit AP Calculus AB (TSI compliant in mathematics)	
AP CALCULUS AB AB	7124 AB
Prepares eligible students for the Calculus AB Advanced Placement Examination given by the College Entrance	A3100101
Examination Board I <u>nstructional Material:</u> 1550 - AP Calculus 1st Edition, Pearson Briggs; ISBN: 9780133498356	Grade level: 11 - 12 Credit(s): 1
Prerequisites: Precalculus, or Honors Precalculus and student interest	College Hour(s): NA
What's Next? AP Calculus BC or AP Statistics	Tier I
DUAL CREDIT AP CALCULUS AB AB	7125 AB
TCC Course: Calculus I (MATH 2413)	
Limits and continuity; the fundamental Theorem of Calculus; definition of the derivative of a function and techniques	A3100101
of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value	
theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric,	Grade level: 11 – 12
and transcendental functions, with an application to calculation of areas.	Credit(s): 1
Instructional Material: N/A	College Hour(s): 4 hours
FWISD & TCC Prerequisites: MATH-2412 with a minimum grade of C	Tier I
Early College High School Grade Placement: 10-12	
<u>What's Next?</u> MATH 2414 Course taught by an approved adjunct instructor	
AP CALCULUS BC AB	7126 AB
Prepares eligible students for the Calculus BC Advanced Placement Examination given by the College Entrance	A3100102
Examination Board.	Grade level: 11 - 12
Instructional Material: 1550 - AP Calculus 1st Edition, Pearson Briggs; ISBN: 9780133498356	Credit(s): 1
Prerequisites: Precalculus, or Honors Precalculus and student interest (AP Calculus AB Recommended)	College Hour(s): NA
What's Next? Ordinary Differential Equations or Multivariable Calculus or AP Statistics	Tier I
DUAL CREDIT AP CALCULUS BC AB	7127 AB
TCC Course: Calculus II (Math 2414)	
Differentiation and integration of transcendental functions; parametric equations and polar coordinates; techniques	A3100102
of integration; sequences and series; improper integrals. Instructional Material: TCC Course: Calculus II (Math 2414)	Grade level: 11 - 12
FWISD & TCC Prerequisites: MATH-2413 with a minimum grade of C	Credit(s): 1
Early College High School Grade Placement: 10-12	College Hour(s): 4 hours
What's Next? N/A	Tier I
Course taught by an approved adjunct instructor	
ADVANCED QUANTITATIVE REASONING AB	7132 AB
Students will develop and apply reasoning, planning, and communication to make decisions and solve problems in	03102510
applied situations involving numerical reasoning, probability, statistical analysis, finance, mathematical selection, and	
modeling with algebra, geometry, trigonometry and discrete mathematics. Both semesters must be taken for this	Grade level: 12
course to qualify as a fourth-year mathematics graduation credit.	Credit(s): 1
Instructional Material: XXXX - Advanced Quantitative Reasoning, AQR Press; ISBN: 9781631300004	College Hour(s): NA
Duran and the second and the second Color at a color of the second second second second second second second se	
Prerequisites: Geometry or Honors Geometry and Algebra II or Honors Algebra II	Tier III

DUAL CREDIT ADVANCED QUANTATIVE REASONING AB	7138 AB
TCC Course: Mathematics for Business & Social Sciences I (MATH 1324)	
The application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to	03102510
problems in business, economics, and the social sciences are addressed. The applications include mathematics of	
finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear	Grade level: 9 - 12
programming; and probability, including expected value.	Credit(s): 0.5 - 1
Instructional Material: TCC Course: Math 1324	College Hour(s): 3
Prerequisites: Geometry or Honors Geometry and Algebra II or Honors Algebra II	Tier I
FWISD & TCC Prerequisites: TSI Met in Algebraic Math pathway	
Early College High School Grade Placement: 9-12	
What's Next? N/A	
ALGEBRAIC REASONING AB	7134 AB
Students taking this course will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root,	03102540 Grade level: 12
exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and	Credit(s): 1
application that includes explorations of patterns and structure, number and algebraic methods, and modeling from	College Hour(s): NA
data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets.	Tier III
Instructional Material: Consenza & Associates ISBN: 9780988679696	
Prerequisites: Algebra I and student interest What's Next? N/A	
STATISTICS AB	7144 AB
Students taking this course will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and	03102530
Algebra I. Students will broaden their knowledge of variability and statistical processes. Students will study sampling	
and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate	Grade level: 12
data. Students will connect data and statistical processes to real-world situations. In addition, students will extend	Credit(s): 1
their knowledge of data analysis.	College Hour(s): NA
Instructional Material: Bedford, Freeman, & Worth ISBN: 1464122164 and e-text: ISBN 1319124518	Tier III
Prerequisites: Algebra I and student interest	
What's Next? N/A	
AP STATISTICS AB	7145 AB
Introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data.	A3100200
Students are exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns in advance, and statistical inference. This course is equivalent to an introductory, non-calculus based, college course in	Grade level: 9 – 12
statistics.	Credit(s): 1
Instructional Material: 1552 - Practice of Statistics, Bedford, Freeman and Worth Publishing Group; ISBN: 9781464170770	College Hour(s): NA Tier I
<u>Prerequisites:</u> Geometry or Honors Geometry, and Algebra II or Honors Algebra II; and student interest <u>What's Next?</u> AP Calculus AB	
OnRamps STATISTICS AB	7146 AB
This course develops the quantitative reasoning skills and habits of mind. It will target conceptual understandings	A3100200
and hone highly relevant mathematical skills through scaffolded introduction to statistical methodologies, informal game play, and strategic lab exercise that engage students in hands-on analysis of real data. Valuable programming and coding skills will be acquired as a means for conducting these analyses. OnRamps works through a dual enrollment model. Using a hybrid delivery approach, students meet rigorous university-level college readiness	Grade level: 11-12 Credit(s): 1 College Hour(s): 3 hour:
standards and have the opportunity to earn UT Austin credit from a UT faculty member and high school credit from	Tier I
their local teacher.	
Instructional Material: Selected and provided by the University of Texas at Austin	
<u>Prerequisites:</u> Algebra I or Honors Algebra 1; Geometry and Algebra II are preferred What's Next? N/A	
INTRODUCTORY MATHEMATICS AB	7415 AB
This course provides instruction for students who need additional study in computational skills before entering Algebra. This course includes operations with whole numbers, decimals, percent, and consumer application Algebra I	N/A
Recommended: Algebra II ns. Units on measurement, statistical graphs, and geometry will be taught. No credit is earned toward graduation for this course.	Grade level: 9 – 12 Credit(s): N/A
Instructional Material:	College Hour(s): NA
Prerequisites: Must be International Newcomer Academy student	Tier III
What's Next? N/A	
TEXAS PREFRESHMAN ENGINEERING PROGRAM I AB	7421 AB
Available at Texas Wesleyan University and/or Tarrant County Community College, as summer enrichment for high	N1303752

ability students, these courses emphasize study and research in mathematics, engineering, and computer science.

Preference is given to female students and minority students who have been underrepresented in the field of	Grade level: 9 - 11
engineering. Note: This course is for state elective credit only, and some students may have earned one or two credits	Credit(s): 1
in middle school. For this course to count as an elective credit and to be calculated into the student's GPA; each	College Hour(s): 4 hour
student is responsible to provide his/her grade and course information to his/her counselor.	Tier III
nstructional Material: Textbook(s) and materials provided by the participating university	
Prerequisites: Average of 80 or higher in college preparatory mathematics course; teacher recommendation	7400 40
TEXAS PREFRESHMAN ENGINEERING PROGRAM II AB	7423 AB
Available at Texas Wesleyan University and/or Tarrant County Community College, as summer enrichment for high	N1303753
ability students, these courses emphasize study and research in mathematics, engineering, and computer science. Preference is given to female students and minority students who have been underrepresented in the field of	
engineering. Note: This course is for state elective credit only, and some students may have earned one or two credits	Grade level: 9 – 11
n middle school. For this course to count as an elective credit and to be calculated into the student's GPA; each	Credit(s): 1
tudent is responsible to provide his/her grade and course information to his/her counselor.	College Hour(s): 4 hou
nstructional Material: Textbook(s) and materials provided by the participating university	Tier III
Prerequisites: Average of 80 or higher in college preparatory mathematics course; teacher recommendation	
<u>Nhat's Next?</u> N/A	
TEXAS PREFRESHMAN ENGINEERING PROGRAM III AB	7425 AB
Available at Texas Wesleyan University and/or Tarrant County Community College, as summer enrichment for high	N1303754
ability students, these courses emphasize study and research in mathematics, engineering, and computer science.	Grade level: 9 - 11
Preference is given to female students and minority students who have been underrepresented in the field of engineering. Note: This course is for state elective credit only, and some students may have earned one or two credits	Credit(s): 1 College Hour(s): 4 hou
n middle school. For this course to count as an elective credit and to be calculated into the student's GPA; each	Tier III
student is responsible to provide his/her grade and course information to his/her counselor.	nei iii
nstructional Material: Textbook(s) and materials provided by the participating university	
Prerequisites: Average of 80 or higher in college preparatory mathematics course; teacher recommendation	
TEXAS PREFRESHMAN ENGINEERING PROGRAM IV AB	7427 AB
Available at Texas Wesleyan University and/or Tarrant County Community College, as summer enrichment for high	N1303755
ability students, these courses emphasize study and research in mathematics, engineering, and computer science.	C 0 44
Preference is given to female students and minority students who have been underrepresented in the field of	Grade level: 9 – 11
engineering. Note: This course is for state elective credit only, and some students may have earned one or two credits	Credit(s): 1
n middle school. For this course to count as an elective credit and to be calculated into the student's GPA; each student is responsible to provide his/her grade and course information to his/her counselor.	College Hour(s): 4 hou Tier III
nstructional Material: Textbook(s) and materials provided by the participating university	TIEL III
Prerequisites: Average of 80 or higher in college preparatory mathematics course; teacher recommendation	
What's Next? N/A	
INDEPENDENT STUDY IN MATH DAP: HONORS MULTIVARIABLE CALCULUS AND ITS APPLICATIONS AB	7128 AB
This third course of calculus will use all of the skills and concepts learned in the previous two courses to analyze and	031025##
explore problems requiring multi-variables. Essential for students planning to study advanced physical sciences	
and/or mathematics in college.	
nstructional Material: XXXX - Multivariable Calculus 1st Edition, Pearson Briggs; ISBN: 9780321965158	Grade level: 12
Prerequisites: Concurrent enrollment or completion of AP Calculus BC	Credit(s): 1
<u>What's Next?</u> N/A	College Hour(s): NA
031025##- 1st Time ##=00, 2nd Time ##=01, 3rd Time ##=02 Course taught by locally certified gifted teacher.	Tier I
DUAL CREDIT MULTIVARIABLE CALCULUS AND ITS APPLICATIONS AB	7133 AB
TCC Course: Calculus III (Math 2415)	024025##
Advanced topics in calculus, including vectors and vector-valued functions, partial differentiation, Lagrange	031025##
multipliers, multiple integrals, and Jacobians; application of the line integral, including Green's Theorem, the Divergence Theorem, and Stokes' Theorem.	Grade level: HS: 11-12
nstructional Material: N/A	ECHS: 11 – 12
FWISD & TCC Prerequisites: MATH-2414 with a minimum grade of C	Credit(s): 1
What's Next? N/A	College Hour(s): 4 hou
031025##- 1st Time ##=00, 2nd Time ##=01, 3rd Time ##=02.	Tier I
Course taught by an approved adjunct instructor.	
NDEPENDENT STUDY IN MATH DAP: HONORS ORDINARY DIFFERENTIAL EQUATIONS AND	7129 AB
THEIR APPLICATIONS AB	031025##
Provides instruction in the concepts and skills associated with differential equations including solving first-order	Grade level: 12
differential equations, linear differential equations, higher- order linear differential equations, first-order systems,	Credit(s): 1
nomogeneous and non-homogeneous systems, and real-world problems as found in the physical science.	College Hour(s): NA
nstructional Material: No state-adopted instructional material(s)/Contact Mathematics Director	Tier I
Prerequisites: AP Calculus BC or concurrent enrollment and student interest	
What's Next? N/A	
031025##- 1st Time ##=00, 2nd Time ##=01, 3rd Time ##=03	

031025##- 1st Time ##=00, 2nd Time ##=01, 3rd Time ##=03 Course taught by a locally certified gifted teacher.

DUAL CREDIT ORDINARY DIFFERENTIAL EQUATIONS AND THEIR APPLICATIONS A TCC Course: Differential Equations (MATH 2320)	7135 A
Ordinary differential equations, including linear equations, systems of equations, equations with variable coefficients, existence and uniqueness of solutions, series solutions, singular points, transform methods, and boundary value problems; application of differential equations to real-world problems. This is a regular college-level Differential Equations course in which dual credit will be awarded for Differential Equations and high school Ordinary Differential Equations A.	031025##
Instructional Material: N/A	
FWISD & TCC Prerequisites: MATH-2414 with minimum grade of C	Grade level: 11-12
Early College High School Grade Placement: 11-12	Credit(s): 0.5
What's Next? N/A 031025##- 1st Time ##=00, 2nd Time ##=01, 3rd Time ##=04 Course taught by an approved adjunct instructor.	College Hour(s): 3 hours Tier I
031025##- 1st Time ##=00, 2nd Time ##=01, 3rd Time ##=04 Course taught by an approved adjunct instructor. DUAL CREDIT ORDINARY DIFFERENTIAL EQUATIONS AND THEIR APPLICATIONS B	7135 B
TCC Course: Differential Equations and Linear Algebra (MATH 2421)	7.133.5
This course emphasizes solution techniques. Ordinary differential equations, vector spaces, linear transformations,	031025##
matrix/vector algebra, eigenvectors, Laplace Transforms and systems of equations. This is a regular college-level	
Differential Equations and Linear Algebra course in which dual credit will be awarded for Differential Equations and	
Linear Algebra and high school Ordinary Differential Equations B.	
Instructional Material: N/A	
FWISD & TCC Prerequisites: MATH-2414 with minimum grade of C	Grade level: 11-12
Early College High School Grade Placement: 11-12	Credit(s): 0.5
What's Next? N/A 031025##- 1st Time ##=00, 2nd Time ##=01, 3rd Time ##=04. Course taught by an approved adjunct instructor.	College Hour(s): 4 hours Tier I
031025##- 1st Time ##=00, 2nd Time ##=01, 3rd Time ##=04. Course taught by an approved adjunct instructor. INDEPENDENT STUDY IN MATH DAP: HONORS MATHEMATICAL MODELING USING COMPUTER	7130 AB
SIMULATION AB	7 130 AB
This one- or two-semester course is designed for students to use an interdisciplinary approach to modeling physical	031025##
events in the real world. For example, pilots are trained on computer simulators, new medicinal drugs are designed	
with the aid of computer models, economic projections and weather forecasting are based upon mathematical formats	
that are solved through intensive computer programming. This course will use skills and concepts learned in various	
mathematics courses (algebra-calculus, economics, physics, biology, anatomy, and physiology, and computer science).	
Instructional Material: No state-adopted instructional material(s)/Contact Mathematics Director	Grade level: 11 - 12
Prerequisites: AP Calculus AB and student interest What's Next? N/A	Credit(s): 0.5-1
031025##- 1st Time ##=00, 2nd Time ##=01, 3rd Time ##=05	College Hour(s): NA Tier I
Course taught by a locally certified gifted teacher. State elective credit	TICI I
INDEPENDENT STUDY IN MATH DAP: HONORS NUMBER THEORY AB	7215 AB
Provides the opportunity for students to learn concepts and skills involving the use of integers.	031025##
Instructional Material: No state-adopted instructional material(s)/Contact Mathematics Director	
<u>Prerequisites:</u> Algebra II	Grade level: 11 - 12
What's Next? N/A	Credit(s): 1
031025##- 1st Time ##=00, 2nd Time ##=01, 3rd Time ##=05	College Hour(s): NA
Course taught by a locally certified gifted teacher. State elective credit. INDEPENDENT STUDY IN MATH DAP: CALCULUS BASED STATISTICS AB	Tier I 7235 AB
Provides a study of permutations, combinations, binomial theorems, equally likely outcomes, random variables, joint	031025##
and continuous distributions, the binomial distribution, and inferential statistics.	031023##
Instructional Material: No state-adopted instructional material(s)/Contact Mathematics Director	
Prerequisites: AP Calculus BC or concurrent enrollment	Grade level: 11 - 12
What's Next? N/A	Credit(s): 1
031025##- 1st Time ##=00, 2nd Time ##=01, 3rd Time ##=05	College Hour(s): NA
Course taught by a locally certified gifted teacher. State elective credit.	Tier I
DUAL CREDIT CALCULUS BASED STATISTICS AB	7237 AB
TCC Course: Elementary Statistical Methods (MATH 1342)	021025 " "
Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics,	031025##
correlation and regression, confidence intervals and hypothesis testing. Topics may include population sampling; collection, tabulation, and graphing of data; frequency distributions; mean and standard deviation; normal distribution;	Grade level: 11-12
collection, tabulation, and graphing of data, frequency distributions, mean and standard deviation, normal distribution, correlation and regression, and tests for significance. This is a regular college-level Statistics course in which dual credit	Credit(s): 1
will be awarded for college Elementary Statistical Methods and high school Calculus Based Statistics.	College Hour(s): 3 hours
Instructional Material: N/A	Tier I
FWISD Prerequisites: AP Calculus AB	-
TCC Prerequisites: TSI compliant in mathematics	

TCC Prerequisites: TSI compliant in mathematics

Early College High School Grade Placement: 10-12

What's Next? N/A

031025##- 1st Time ##=00, 2nd Time ##=01, 3rd Time ##=05

Course taught by an approved adjunct instructor. State elective credit

INDEPENDENT STUDY IN MATHEMATICS DAP: HONORS LOGIC DESIGN USING BOOLEAN ALGEBRA	7275 AB
The Honors Logic Design using Boolean Algebra course provides opportunities to study the Boolean mathematics behind and the design methods for combinational and sequential digital logic systems from standard integrated circuits. The students will also design, implement and evaluate their logic circuit designs using basic digital lab techniques. Both combinational and sequential logic circuits will be implemented and tested in the labs.	031025##
Instructional Material: Laboratory materials provided by high school	Grade level: 11 - 12
Prerequisites: Co-requisite of an AP level mathematics course	Credit(s): 1
What's Next? N/A	College Hour(s): NA
031025##- 1st Time ##=00, 2nd Time ##=01, 3rd Time ##=05	Tier I
Course taught by an approved adjunct instructor. State elective credit.	
Offered at: Paschal	
INDEPENDENT STUDY IN MATH DAP: HONORS LINEAR ALGEBRA ABH	7277 ABH
Presents matrices and vectors, transformations and matrices, representatives of linear transformations, and some	031025##
elementary analytic geometry from a vector standpoint.	
Instructional Material: Introductory Linear Algebra with Applications, Macmillan	
Prerequisites: AP Calculus A, AP Calculus AB, AP Statistics or concurrent enrollment	Grade level: 12
What's Next? N/A	Credit(s): 1
031025##- 1st Time ##=00, 2nd Time ##=01, 3rd Time ##=05	College Hour(s): NA
Course taught by a locally certified gifted teacher. State elective credit.	Tier I
Offered only at: Paschal	
DUAL CREDIT LINEAR ALGEBRA IT	7279 T
TCC Course: Linear Algebra (MATH 2318)	
Introduces and provides models for application of the concepts of vector algebra. Topics include finite dimensional	031025##
vector spaces and their geometric significance; representing and solving systems of linear equations using multiple	
methods, including Gaussian elimination and matrix inversion; matrices; determinants; linear transformations; quadratic	Grade level: 11-12
forms; eigenvalues and eigenvector; and applications in science and engineering.	Credit(s): 0.5
Instructional Material: N/A	College Hour(s): 3 hou
FWISD & TCC Prerequisites: MATH-2414 with minimum grade of C	Tier I
Early College High School Grade Placement: 11-12	
What's Next? N/A	
Course taught by an approved adjunct instructor.	
INDEPENDENT STUDY IN MATH DAP: ELECTRICAL CIRCUIT THEORY AB	7278 AB
The Electrical Circuit Theory course will supplement the basic knowledge of the function of electrical circuits provided	031025##
by an introductory physics course. This course is modeled after the initial analog circuits course in a university	
electrical engineering program. Students will engage in theoretical analysis of circuit response via mathematical	Grade level: 11-12
methods and computer simulation as well as hands-on design, construction, and testing of electrical circuits in a	Credit(s): 1
laboratory environment.	College Hour(s): NA
Instructional Material: N/A	Tier I
<u>Prerequisites:</u> Successful completion of AP Calculus AB and concurrent enrollment in AP Calculus BC. Successful	
completion of AP Physics 1 or an equivalent course.	
What's Next? N/A	
031025##- 1st Time ##=00, 2nd Time ##=01, 3rd Time ##=05	
Course taught by a locally certified gifted teacher. State elective credit.	
INDEPENDENT STUDY IN MATHEMATICS: OPTICS	7256 AB
In Optics, students conduct laboratory and field investigations, use scientific practices during investigations, and make	031025##
informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include:	C
the principles of reflection and refraction, reflective optics, lenses and ray tracing, physical optics, and lasers. Students	Grade level: 11-12
who successfully complete the Optics course will acquire factual knowledge within a conceptual framework, practice	Credit(s): 1
experimental design and interpretation, work collaboratively with colleagues, and develop critical-thinking skills.	College Hour(s): NA
Instructional Material: Optics, 5 th edition, by Eugene Hecht, Pearson, ISBN 9780133977226	Tier I
Prerequisites: AP Calculus AB, AP Physics 1 or an equivalent course.	
What's Next? N/A	
031025##- 1st Time ##=00, 2nd Time ##=01, 3rd Time ##=05	
Course taught by a locally certified gifted teacher. State elective credit.	
INDEPENDENT STUDY IN MATHEMATICS: ASTROPHYSICS	7257 AB
The Astrophysics course will cover the same curricular topics found in the Honors Astronomy course. However, the	031025##
topics will be explored in greater depth using the advanced mathematics and physics skills including calculus,	
differential equations, spectrum analysis, and quantum physics. The course will emphasize application and critical	Grade level: 11-12
thinking for problem solving.	Credit(s): 1

Instructional Material: Astronomy Today, by Chaisson and McMillan, Pearson, ISBN 978-0-321-90167-5

<u>Prerequisites:</u> AP Calculus AB, AP Physics 1 or an equivalent course.

What's Next? N/A

031025##- 1st Time ##=00, 2nd Time ##=01, 3rd Time ##=05

Course taught by a locally certified gifted teacher.

State elective credit.

College Hour(s): NA

Tier I

FOUNDATION PLANS

SCIENCE GRADUATION REQUIREMENTS

ALL STUDENTS ARE REQUIRED to pass Biology EOC exam

One credit: in Biology or AP/IB Biology.

One credit: must be selected from the following laboratory-based courses:

- Integrated Physics & Chemistry
- Chemistry
- AP/DC Chemistry
- OnRamps Chemistry
- Physics
- Principles of Technology
- AP Physics 1 (Algebra-based)
- DC Physics
- OnRamps Physics

The 3rd & 4th Science credit may be selected from one full credit or a combination of two half credits from the following:

- Chemistry
- Physics
- Principles of Technology
- Aquatic Science / DC
- Astronomy / DC
- Earth Systems Science / DC
- Environmental Systems / DC
- Engineering Science
- CTE: Engineering Science
- CTE: Food Science
- CTE: Scientific Research
 Design
- CTE: Anatomy & Physiology
- DC Anatomy & Physiology
- CTE: Eng Design & Prob Solving
- CTE: Forensic Science
- CTE: Adv Animal Science
- CTE: Pathophysiology
- CTE: Adv Plant & Soil Science
- CTE: Medical Microbiology
- DC SRD: Biology for Non-Science Majors
- DC SRD: General Chemistry
- DC SRD: College Physics

OnRamps Chemistry II
 AP Physics 1 or 2 (Algebra-based)

AP/DC Biology

AP/DC Chemistry

OnRamps Biology

OnRamps Chemistry

- AP Physics C Mechanics
- AP Physics C Electricity & Magnetism
- DC Physics
- OnRamps Physics
- OnRamps Physics II
- OnRamps Earth & Space Science
- AP Environmental Science
- Biotechnology I
- Biotechnology II

Possible Endorsement Opportunities:

- Multidisciplinary
- Business & Industry
- STEM (Sci, Tech, Eng & Math)

Science

Science SAMPLE Course Sequence and Testing Guide

	Traditional		Advanced		Advanced Placement (AP) , Dual Credit (DC)	•
6 th	Gr 6 Science: 0300	None	Gr 6 Advanced Science: 0313	None	Gr 6 Advanced Science:	None
7 th	Gr 7 Science: 0304	None	Gr 7 Advanced Science: 0303	STAAR Gr 8	Gr 7 Advanced Science:	STAAR Gr 8
8 th	Gr 8 Science: 0305	STAAR Gr 8	Grade 8 Science: 0305 or Honors Biology: 7574	STAAR Gr 8 or Bio EOC	Honors Biology: 7574	Bio EOC
9 th	Biology: 7572 or Integrated Physics/Chemistry:	Bio EOC or None	Honors Chemistry: 7594 or Honors Biology: 7574	None or Bio EOC	Honors Biology: 7574 or Honors Chemistry: 7594 or AP Physics: 7625	Bio EOC or None
10 th	Biology: 7572 or Chemistry: 7592 or Physics: 7614	Bio EOC or PSAT Exams vary by course	Honors Chemistry: 7594 or Honors Biology: 7574	Bio EOC or PSAT Exams vary by course	Honors Chemistry: 7594 or AP Physics: 7625 or Honors Biology: 7574	Bio EOC or PSAT Exams vary by course
11 th	Chemistry: 7592 or Physics: 7614	PSAT SAT ACT	AP/DC Science Elective or Advanced Science	Exams vary by course	AP/DC/OnRamps Science Elective or Advanced Science	Exams vary by course
12 th	Advanced Science or CTE Equivalent	PSAT SAT ACT	AP/DC/OnRamps Science Elective or Advanced Science	Exams vary by course	AP/DC/OnRamps Science Elective or Advanced Science	Exams vary by course

INTEGRATED PHYSICS/CHEMISTRY AB	7532 AB
SHELTERED INTEGRATED PHYSICS AND CHEMISTRY AB – NP	7526 AB
SHELTERED INTEGRATED PHYSICS AND CHEMISTRY AB	7528 AB
In Integrated Physics and Chemistry, students conduct laboratory and field investigations, use engineering practices, use scientific practices during investigation, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter.	03060201
<u>Instructional Material:</u> TBD – Contact Department Director for update	Grade level: 9 – 10
D 12 N	C 11. () 4

Prerequisites: None

 $\underline{What's\ Next?}\ Biology,\ if\ IPC\ was\ taken\ as\ the\ first\ high\ school\ science\ or\ any\ 3^{rd}\ or\ 4^{th}\ year\ science\ credit\ if\ Biology$ has been successfully completed.

NOTE: IPC does **NOT** count as an "additional science course" for the STEM endorsement.

All Newcomer Program teachers must be content and ESL certified.

Credit(s): 1 College Hour(s): NA Tier III

DUAL CREDIT INTEGRATED PHYSICS AND CHEMISTRY AB	7535 AB
TCC Course: Physical Science I (PHYS 1415 and PHYS 1415 Lab)	
TWU Course: Nature of Physical Science (CHE 1403)	
Course, designed for non-science majors, that surveys topics from physics, chemistry, geology, astronomy, and	03060201
neteorology.	
nstructional Material: N/A	Grade level: N/A
WISD & TCC Prerequisites: None	Credit(s): 1
CC Co-Requisite: PHYS-1415 Lab	College Hour(s): 4 hours
<u>WU Prerequisites:</u> Only offered at Dunbar	Tier I
What's Next? N/A	
arly College High School Grade Placement: 9-12. Course taught by an approved adjunct instructor.	
BIOLOGY AB	7572 AB
SHELTERED BIOLOGY AB – NP	7573 AB
SHELTERED BIOLOGY AB	7575 AB
BIOLOGY AB	75725 AB
tudents in Biology focus on patterns, processes, and relationships of living organisms through four main concepts:	03010200
iological structures, functions, and processes; mechanisms of genetics; biological evolution; and interdependence	
vithin environmental systems. One credit of Biology is required for graduation. Students entering Grade 9 in 2011-	
012 and thereafter are required to take the STAAR End of Course (EOC) exam in this course.	
nstructional Material: TBD – Contact Department Director for update	Grade level: 9 - 11
rerequisites: None	Credit(s): 1
//hat's Next? Any course from the laboratory-based course category that aligns with the students' particular	College Hour(s): NA
ndorsement. NOTE: Students with a multidisciplinary endorsement are required to have chemistry OR physics as	• • • • • • • • • • • • • • • • • • • •
heir lab-based credit.	
All students will take the Biology EOC.	Tier III
All Newcomer Program teachers must be content and ESL certified.	
IONORS BIOLOGY AB	7574 AB
HELTERED HONORS BIOLOGY AB	7576 AB
n Honors Biology, students engage in real-world data analysis and problem solving that sparks critical thinking	03010200
bout our living world. As students engage in grade-level biology content described in the Biology AB course	000.0200
lescription, they utilize the kind of scientific reasoning skills needed to analyze the natural world and to succeed in	
uture science and social science courses in high school, such as AP Biology, and college. Multiple opportunities to	
hink and work like scientists include an emphasis on analytical reading and writing, strategic use of mathematics,	
nd an expanded use of modeling. One credit of Biology is required for graduation.	
nstructional Material: TBD – Contact Department Director for update	Grade level: 8 - 10
Lecommended Prerequisites: None	Credit(s): 1
<u>Vhat's Next?</u> Any course from the laboratory-based course category that aligns with the students' particular	College Hour(s): NA
ndorsement. NOTE: Students with a multidisciplinary endorsement are required to have chemistry OR physics as	cocgcca. (<i>c).</i>
neir lab-based credit.	
tudents will take the Biology EOC.	Tier II
P BIOLOGY AB	7590 AB
his course involves extensive laboratory investigations and advanced topics in Biology including molecules and	A3010200
ells, heredity and evolution, and organisms and populations. The course prepares students to take the College	7.5010200
oard AP Biology Examination. One credit of Biology is required for graduation.	
nstructional Material: 1715 – AP Edition Biology, 11th Edition, Media-Onboard Connect electronic resources and	Grade level: 10 – 12
igital Scoreboard for each student. McGraw-Hill School Education, LLC, ISBN: 9780076649761	Credit(s): 1
ecommended Prerequisites: Successful completion of Biology and Chemistry	College Hour(s): NA
<u>/hat's Next?</u> Any 3 rd or 4 th year science credit that is aligned to the students' particular endorsement.	Tier I
IOTE: Students with a STEM endorsement are required to complete chemistry AND physics.	TICL I
students are using this course as a substitution for the on-level or Honors Biology, they will take the Biology EOC.	
	7591 AB
InRamps BIOLOGY AB	
his course focuses on molecular and cellular biology. It revolved around three big ideas of biology starting with	A3010200
ne student of the structure and function of biomolecules. The flow of energy through living systems via	
hotosynthesis and cellular respiration is the second big idea of the class. The course finishes with investigation of	Grade level: 10 – 12
ow genetic information is expressed and transmitted both within and between cells. OnRamps works through a	Credit(s): 1
ual-enrollment model. Using a hybrid delivery approach, students meet rigorous university-level college readiness	College Hour(s): 3
andards and have the opportunity to earn UT Austin credit from a UT faculty member and high school credit from	Tier I
heir local teacher.	

<u>Instructional Material:</u> Selected and provided by the University of Texas at Austin

<u>Prerequisites:</u> TEKS based High School Biology, TEKS based High School Chemistry

What's Next? Any 3rd or 4th year science credit that is aligned to the students' particular endorsement.

NOTE: Students with a STEM endorsement are required to complete chemistry AND physics.

	7592 AB
SHELTERED CHEMISTRY AB – NP	7596 AB
SHELTERED CHEMISTRY AB	7598 AB
CHEMISTRY AB	75925 AB
In Chemistry, students conduct laboratory and field investigations, use scientific practices during investigations, and	03040000
nake informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that nclude characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding,	
chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will	
nvestigate how Chemistry is an integral part of our daily lives.	
nstructional Material: TBD – Contact Department Director for update	Grade level: 10 - 12
Required Prerequisites: One unit of high school science and Algebra I	Credit(s): 1
Suggested prerequisite: Completion of, or concurrent enrollment in, a second year of mathematics	College Hour(s): NA
<u>Nhat's Next?</u> Any 3 rd or 4 th year science credit that is aligned to the students' particular endorsement.	Tier III
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics.	
Newcomer Program teachers must be content and ESL certified.	7504.40
HONORS CHEMISTRY AB	7594 AB
HELTERED HONORS CHEMISTRY AB	7595 AB
n Honors Chemistry, students develop a deep conceptual understanding of matter and energy at the molecular level	03040000
is they learn to explain their macroscopic observations using particulate-level reasoning, As students engage in grade-level Chemistry content described in the Chemistry AB course description, They utilize the scientific reasoning	
kills needed to analyze the natural world and to succeed in future science and social science courses in high school,	
uch as AP Chemistry, and college. Multiple opportunities to think and work like scientists include a particular	
ttention to modeling, strategic use of mathematics, and an emphasis on analytical reading and writing.	
nstructional Material: TBD – Contact Department Director for update	Grade level: 9 - 12
Required Prerequisites: One unit of High School Science and Algebra I	Credit(s): 1
suggested prerequisite: Completion of, or concurrent enrollment in, a second year of mathematics	College Hour(s): NA
What's Next? Any 3 rd or 4 th year science credit that is aligned to the students' particular endorsement.	Tier II
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics.	7610 AB
AP CHEMISTRY AB	7610 AB A3040000
This course involves extensive laboratory investigations and advanced topics in Chemistry, such as quantitative analysis, thermodynamics, bonding, ideal gas laws, and stoichiometry. This class prepares students to take the AP	A3040000
Chemistry Examination.	
nstructional Material: 1733 – Chemistry, 9th Edition ©2014 with OWL, ISBN: 9781133611103, OWL AP Chemistry	Grade level: 10 – 12
Resource Website w eBook; AP Lab Manual ISBN: 9781133611493 National Geographic Learning/Cengage Learning, In	:. Credit(s): 1
Recommended Prerequisites: Successful completion of a Chemistry course and Algebra II.	College Hour(s): NA
<u>Nhat's Next?</u> Any 3^{rd} or 4^{th} year science credit that is aligned to the students' particular endorsement.	Tier I
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics.	
OnRamps CHEMISTRY I AB	7597 AB
This course addresses the nature of matter, energy, chemical reactions, and chemical thermodynamics. Throughout	3040000
he course, students will learn how to think like a scientist by exploring the underlying theoretical foundations of	
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hemistry, making intuitive arguments for how the world works. May be paired with advanced science lab 7626T	
themistry, making intuitive arguments for how the world works. May be paired with advanced science lab 7626T Minimum 40% lab). OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, students	Grade level: 9 – 12
chemistry, making intuitive arguments for how the world works. May be paired with advanced science lab 7626T Minimum 40% lab). OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, students meet rigorous university-level college readiness standards and have the opportunity to earn UT Austin credit from a JT faculty member and high school credit from their local teacher.	Grade level: 9 – 12 Credit(s): 1
chemistry, making intuitive arguments for how the world works. May be paired with advanced science lab 7626T Minimum 40% lab). OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, students meet rigorous university-level college readiness standards and have the opportunity to earn UT Austin credit from a	
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hemistry, making intuitive arguments for how the world works. May be paired with advanced science lab 7626T Minimum 40% lab). OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, students neet rigorous university-level college readiness standards and have the opportunity to earn UT Austin credit from a JT faculty member and high school credit from their local teacher. Instructional Material: Selected and provided by the University of Texas at Austin (rerequisites: Algebra 1) What's Next? AP Biology, AP Physics or any advanced science course	Credit(s): 1 College Hour(s): 4 Tier I
Themistry, making intuitive arguments for how the world works. May be paired with advanced science lab 7626T Minimum 40% lab). OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, students meet rigorous university-level college readiness standards and have the opportunity to earn UT Austin credit from a JT faculty member and high school credit from their local teacher. Instructional Material: Selected and provided by the University of Texas at Austin Pererequisites: Algebra 1 What's Next? AP Biology, AP Physics or any advanced science course DIRAMPS CHEMISTRY II AB	Credit(s): 1 College Hour(s): 4 Tier I 7593 AB
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hemistry, making intuitive arguments for how the world works. May be paired with advanced science lab 7626T Minimum 40% lab). OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, students neet rigorous university-level college readiness standards and have the opportunity to earn UT Austin credit from a IT faculty member and high school credit from their local teacher. Instructional Material: Selected and provided by the University of Texas at Austin IT faculty member and high school credit from their local teacher. IT faculty member and high school credit from their local teacher. IT faculty member and high school credit from their local teacher. IT faculty member and high school credit from their local teacher. IT faculty member and high school credit from a particular for the development of the more course. IT faculty member and laws underlying chemistry that were course continues the development and application of concepts, theories and laws underlying chemistry that were not course in OnRamps Chemistry I. The course extends the study of thermodynamics to the development of hemical equilibria and kinetics with applications to water chemistry and electrochemistry. In addition, students will ain insight into the workings of the material world through introduction to nuclear chemistry, battery technology, olymer chemistry and applications in organic chemistry and biochemistry. OnRamps works through a dual- Inrollment model. Using a hybrid delivery approach, students meet rigorous university-level college readiness tandards and have the opportunity to earn UT Austin credit from a UT faculty member and high school credit from neir local teacher. Instructional Material: Selected and provided by the University of Texas at Austin rerequisites: OnRamps Chemistry 1, AP Chem or equivalent What's Next? Any 3 rd or 4 th year science credit that is aligned to the students' particular endorsement. IDTE: Students with a STEM endorsement are required to complete chemistry AND physics.	Credit(s): 1 College Hour(s): 4 Tier I 7593 AB A3040000 Grade level: 10 – 12 Credit(s): 1 College Hour(s): 4
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nemistry, making intuitive arguments for how the world works. May be paired with advanced science lab 7626T Minimum 40% lab). OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, students eet rigorous university-level college readiness standards and have the opportunity to earn UT Austin credit from a T faculty member and high school credit from their local teacher. Structional Material: Selected and provided by the University of Texas at Austin recequisites: Algebra 1 Hat's Next? AP Biology, AP Physics or any advanced science course **RRAMPS CHEMISTRY II AB** In course continues the development and application of concepts, theories and laws underlying chemistry that were troduces in OnRamps Chemistry I. The course extends the study of thermodynamics to the development of the initial equilibria and kinetics with applications to water chemistry and electrochemistry. In addition, students will applicate in the workings of the material world through introduction to nuclear chemistry, battery technology, plymer chemistry and applications in organic chemistry and biochemistry. OnRamps works through a dual-prollment model. Using a hybrid delivery approach, students meet rigorous university-level college readiness and and have the opportunity to earn UT Austin credit from a UT faculty member and high school credit from eir local teacher. Structional Material: Selected and provided by the University of Texas at Austin recequisites: OnRamps Chemistry 1, AP Chem or equivalent (hat's Next? Any 3 rd or 4 th year science credit that is aligned to the students' particular endorsement. OTE: Students with a STEM endorsement are required to complete chemistry AND physics. UAL CREDIT CHEMISTRY A	Credit(s): 1 College Hour(s): 4 Tier I 7593 AB A3040000 Grade level: 10 – 12 Credit(s): 1 College Hour(s): 4 Tier I

periodicity of elemental properties, atomic structure, chemical bonding, molecular structure, solutions, properties of	
gases, and an introduction to thermodynamics and descriptive chemistry. Laboratory required.	
Instructional Material: N/A	
FWISD & TCC Prerequisites: MATH-1314 or equivalent academic preparation	Grade level: 10 – 12
TCC Co-Requisite: CHEM-1411 Lab	Credit(s): 0.5
What's Next? N/A	College Hour(s): 4 hours
Early College High School Grade Placement: 9-12.	Tier I
Course taught by an approved adjunct instructor.	
DUAL CREDIT CHEMISTRY B	7599 B
TCC Course: General Chemistry II (CHEM 1412 and CHEM 1412 Lab)	
This course is a continuation of Chem 1411 & 1411L. Topics covered in this course include: Chemical equilibrium;	03040000
phase diagrams and spectrometry; acid-base concepts; thermodynamics; kinetics; electrochemistry; nuclear chemistry;	
an introduction to organic chemistry and descriptive inorganic chemistry. Laboratory required.	
Instructional Material: N/A	
FWISD & TCC Prerequisites: CHEM-1411 and MATH-1314	Grade level: 10 – 12
TCC Co-Requisite: CHEM-1412 Lab	Credit(s): 0.5
What's Next? N/A	College Hour(s): 4 hours
	Tier I
Early College High School Grade Placement: 9-12.	Heri
Course taught by an approved adjunct instructor.	
PHYSICS AB	7614 AB
In Physics, students conduct field and laboratory investigations, use scientific practices during investigations, and	03050000
make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that	
include: laws of motion, changes within physical systems and conservation of energy and momentum, forces,	
characteristics and behavior of waves, and electricity and magnetism. Students will apply conceptual knowledge and	
collaborative skills to experimental design, implementation, and interpretation.	Grade level: 10 - 12
Instructional Material: TBD – Contact Department Director for update	Credit(s): 1
Suggested Prerequisites: Successful completion of, or concurrent enrollment in, Algebra II	College Hour(s): NA
What's Next? Any 3 rd or 4 th year science credit that is aligned to the students' particular endorsement.	Tier III
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics.	
HONORS MODERN PHYSICS ABH	0689 ABH
This course is designed for students to use an interdisciplinary approach to explore the physical processes in nature	N1120041
that can only be described by quantum mechanics. This analysis and description are highly mathematical in content.	111120041
For example, the position of an electron is found in terms of a probability density function. This course will use skills	
and concepts learned in various mathematics courses (Algebra II – Calculus), physics, and computer science. This	
stimulating environment will foster creativity and academic growth well beyond an honors curriculum and will open	
the imagination of students to the science of the 21st century.	Grade level: 11 – 12
Instructional Material: Suggested Instructional Material(s): Modern Physics for Scientists and Engineers Contact the	
content director (Science and/or Mathematics Director, based on content credit to be awarded)	Credit(s): 1
Suggested Prerequisites: Successful completion of AP Physics C, AP Calculus BC. Concurrent enrollment in AP Multi-	College Hour(s): NA
Variable Calculus. Completion of, or concurrent enrollment in, AP Chemistry is beneficial.	Tier I
What's Next? N/A	
AP PHYSICS I AB (Algebra Based)	7625 AB
This algebra-based course is equivalent to a first-semester college algebra-based physics course. The algebra-based	A3050003
course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and	
power; mechanical waves and sound. It will also introduce electric circuits. Prepares students to take the AP Physics 1	
examination.	
Instructional Material: 1749 – AP Edition College Physics: A Strategic Approach, 3rd Edition, ©2015, Media-e-book	Grade level: 10 – 12
version and other online resources, Pearson Education, Inc., ISBN: 9780133539677	Credit(s): 1
Recommended Prerequisites: Successful completion of Algebra I, Geometry and Algebra II	College Hour(s): NA
What's Next? Any 3 rd or 4 th year science credit that is aligned to the students' particular endorsement.	Tier I
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics.	
AP PHYSICS II AB (Algebra Based)	7627 AB
The algebra-based course is equivalent to a second-semester college algebra-based physics. The course covers fluid	A3050004
mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. Prepares students to take	, 1505000 1
the AP Physics II examination.	
Instructional Material: 1749 – AP Edition College Physics: A Strategic Approach, 3rd Edition, ©2015, Media-e-book	
version and other online resources, Pearson Education, Inc., ISBN: 9780133539677	C
Recommended Prerequisites: Successful completion of Physics AB or AP Physics 1	Grade level: 11 – 12
Recommended Co-requisite: Pre-calculus or an equivalent course.	Credit(s): 1
Science Director's approval is required to offer this course new to a campus.	College Hour(s): NA
What's Next? Any 3 rd or 4 th year science credit that is aligned to the students' particular endorsement.	Tier I
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics.	

AP PHYSICS C - MECHANICS AB	7628 AB
This calculus-based course provides instruction in each of the following six content areas: kinematics; Newton's laws of motion; work and power; systems of particles and linear momentum; circular motion and rotation; and oscillations	A3050006
and gravitation. Prepares students to take the AP Physics C: Mechanics exam.	Grade level: 11 – 12
nstructional Material: 1750 – Physics for Scientists and Engineers, ©2015 9th Edition Media-e-book version and other	Credit(s): 1
nline instructional material, National Geographic Learning / Cengage Learning, Inc., ISBN: 9781305335615	College Hour(s): NA
ecommended Prerequisites: Successful completion or concurrent enrollment in a calculus course.	Tier I
/hat's Next? AP Physics C- Electricity and Magnetism; Any 3 rd or 4 th year science credit that is aligned to the students'	
articular endorsement. NOTE: Students with a STEM endorsement are required to complete chemistry AND physics.	7640 A.D.
P PHYSICS C - ELECTRICITY AND MAGNETISM AB	7618 AB
his calculus-based course provides instruction in each of the following five content areas: electrostatics; conductors; apacitors; and dielectrics; circuits; magnetic fields; and electromagnetism. Prepares students to take the AP Physics C:	A3050005
ectricity and Magnetism exam.	Grade level: 11 – 12
Istructional Material: 1750 – Physics for Scientists and Engineers, ©2015 9th Edition Media-e-book version and other nline instructional material, National Geographic Learning / Cengage Learning, Inc., ISBN: 9781305335615 ecommended Prerequisites: Successful completion or concurrent enrollment in a calculus course or AP Physics C-	Credit(s): 1 College Hour(s): NA Tier I
lechanics.	
<u>/hat's Next?</u> Any 3 rd or 4 th year science credit that is aligned to the students' particular endorsement.	
OTE: Students with a STEM endorsement are required to complete chemistry AND physics.	
nRamps PHYSICS I AB	7613 AB
sudents study a variety of topics that include the laws of motion; changes within physical systems; conservation of	03050000
omentum and energy; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear and	
uantum physics. OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, students	Grade level: 10-12
eet rigorous university-level college readiness standards and have the opportunity to earn UT Austin credit from a	Credit(s): 1
T faculty member and high school credit from their local teacher. May be paired with advanced science lab 7626T	College Hour(s): 4
/linimum 40% lab).	Tier I
structional Material: Selected and provided by the University of Texas at Austin	
uggested Prerequisites: IPC or Biology; Algebra I; and concurrent enrollment in a second math course	
(hat's Next? Any 3 rd or 4 th year science credit that is aligned to the students' particular endorsement.	
OTE: Students with a STEM endorsement are required to complete chemistry AND physics.	4
nRamps PHYSICS II AB	STH03724 AB
tudents study topics that include electromagnetism, optics, and Nuclear. Students will explore how electric,	A3050004
agnetic, and electromagnetic effects arise from static, uniformly moving and accelerating charges. OnRamps works	
nrough a dual-enrollment model. Using a hybrid delivery approach, students meet rigorous university-level college	Grade level: 10-12
eadiness standards and have the opportunity to earn UT Austin credit from a UT faculty member and high school	Credit(s): 1
redit from their local teacher. May be paired with advanced science lab 7626T (Minimum 40% lab).	College Hour(s): 3
structional Material: Selected and provided by the University of Texas at Austin	Tier I
rerequisites: TEKS-based Physics Course, Algebra II, Geometry	
ecommended Prerequisites: OnRamps PHY 302K, AP Physics I, Honors Physics, or PHYS 1301, Precalculus Physics I & I //hat's Next? Any 3 rd or 4 th year science credit that is aligned to the students' particular endorsement.	
<u>vnat s Next?</u> Any 3 ^{.46} or 4 ⁴¹¹ year science credit that is aligned to the students' particular endorsement. IOTE: Students with a STEM endorsement are required to complete chemistry AND physics.	
One: Students with a STEM endorsement are required to complete chemistry AND physics.	7126 AD
	7136 AB
ne Thermodynamics course is designed as a relatively comprehensive overview of the field of classical ermodynamics with some statistical mechanics injected toward the end of the semester to tie in with more modern opproaches. The class begins with a discussion of what thermodynamics includes, the meaning of certain important	03102502
erms and approaches. The idea of temperature and temperature scales, methods of heat transfer, and the various	Grade level: 10-12
pes of thermodynamic processes are discussed. The various laws of thermodynamics are covered, (zeroth, first,	Credit(s): 0.5
econd, third) building on knowledge and practical applications of each law as it's introduced to the student. During	College Hour(s): NA
e units, simple laboratory experiments will be utilized to solidify conceptual knowledge.	Tier I
structional Material: Thermodynamics – Enrico Fermi, Understanding Thermodynamics – Van Ness	
rerequisites: Successful completion of Calculus AB plus one of the following: AP Physics 1, On-Ramps Physics 1, or	
P Physics C Mechanics	
'hat's Next? N/A	
UAL CREDIT PHYSICS A	7624 A
CC Course: College Physics I (PHYS 1401 and PHYS 1401 Lab)	
undamental principles of physics, using algebra and trigonometry; the principles and applications of classical	03050000
echanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems,	
ewton's Laws of Motion, and gravitation and other fundamental forces; with emphasis on problem solving.	
	Grade level: 11 – 12
NISD & TCC Prerequisites: MATH-1314 and MATH-1316 or MATH-2412	
<u>WISD & TCC Prerequisites:</u> MATH-1314 and MATH-1316 or MATH-2412 <u>CC Co-Prerequisite</u> : PHYS-1401	Credit(s): 0.5
<u>WISD & TCC Prerequisites:</u> MATH-1314 and MATH-1316 or MATH-2412 <u>CC Co-Prerequisite</u> : PHYS-1401 <u>arly College High School Grade Placement:</u> 10-12	Credit(s): 0.5 College Hour(s): 4 hours
nstructional Material: N/A WISD & TCC Prerequisites: MATH-1314 and MATH-1316 or MATH-2412 CC Co-Prerequisite: PHYS-1401 arly College High School Grade Placement: 10-12 What's Next? N/A ourse taught by an approved adjunct instructor.	Credit(s): 0.5

TCC Course: College Physics II (PHYS 1402 and PHYS 1402 Lab)	7624 B
Fundamental principles of physics, using algebra and trigonometry; the principles and applications of electricity and	03050000
magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics, and modern physics	
topics; with emphasis on problem solving. Instructional Material: N/A	
FWISD & TCC Prerequisites: PHYS-1401	Grade level: 10 – 12
TCC Co-Prerequisite: PHYS-1401 Lab	Credit(s): 0.5
Early College High School Placement: 10-12	College Hour(s): 4 hours
What's Next? N/A	Tier I
Course taught by an approved adjunct instructor.	
AP ENVIRONMENTAL SCIENCE AB	7678 AB
AP Environmental Science stresses scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human	A3020000
made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.	
Instructional Material: Living in the Environment, National Geographic Learning/Cengage Learning, Inc.	Grade level: 11 - 12
Recommended Prerequisites: Algebra, two years of high school laboratory science, including one year of life science	Credit(s): 1
and one year of physical science	College Hour(s): NA
What's Next? Any 3 rd or 4 th year science credit that is aligned to the students' particular endorsement.	Tier I
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics.	
ADVANCED SCIENCE LAB T	7626 T
This course can be taken concurrently with AP science courses if campuses wish to schedule a year-long lab component to supplement the AP course. It can be paired with the following courses: ST37202, STH03724, 7590,	84800XXX
7597, 7610, 7625, 7627, 7628, 7613, 7618 and 7678.	Grade level: 10 - 12
Instructional Material: No state adopted instructional material(s)/Contact Director of Science	Credit(s): 0.5
<u>Prerequisites:</u> None <u>What's Next?</u> Any 3 rd or 4 th year science credit that is aligned to the students' particular endorsement.	College Hour(s): NA Tier III
<u>what's Next?</u> Any 3 rd or 4 rd year science credit that is alighed to the students' particular endorsement. NOTE: Students with a STEM endorsement are required to complete chemistry AND physics.	Her III
Local credit course.	
AQUATIC SCIENCE AB	7536 AB
In Aquatic Science, students study the interactions of biotic and abiotic components in aquatic environments,	03030000
including natural and human impacts on aquatic systems. Investigations and field work in this course may emphasize	
fresh water or marine aspects of aquatic science depending primarily upon the natural resources available for study	
near the school. Students who successfully complete Aquatic Science acquire knowledge about how the properties of	
water and fluid dynamics affect aquatic ecosystems and acquire knowledge about a variety of aquatic systems.	
Students who successfully complete Aquatic Science conduct investigations and observations of aquatic	
environments, work collaboratively with peers, and develop critical-thinking and problem-solving skills.	
Instructional Material: TBD – Contact Department Director for update	Grade level: 10 – 12
Required Prerequisites: One unit of high school Biology.	Credit(s): 1
<u>Suggested prerequisite</u> : Integrated Physics and Chemistry, Chemistry, or concurrent enrollment in either course. <u>What's Next?</u> Any 3 rd or 4 th year science credit that is aligned to the students' particular endorsement.	College Hour(s): NA
	Tier III
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics.	7537 AR
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics. DUAL CREDIT AQUATIC SCIENCE AB	7537 AB
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics. DUAL CREDIT AQUATIC SCIENCE AB TCC Course: Oceanography (GEOL 1445 and GEOL 1445 Lab)	7537 AB
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics. DUAL CREDIT AQUATIC SCIENCE AB TCC Course: Oceanography (GEOL 1445 and GEOL 1445 Lab) Survey of oceanography and related sciences.	
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics. DUAL CREDIT AQUATIC SCIENCE AB TCC Course: Oceanography (GEOL 1445 and GEOL 1445 Lab) Survey of oceanography and related sciences. Instructional Material: N/A	
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics. DUAL CREDIT AQUATIC SCIENCE AB TCC Course: Oceanography (GEOL 1445 and GEOL 1445 Lab) Survey of oceanography and related sciences. Instructional Material: N/A FWISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently.	03030000
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics. DUAL CREDIT AQUATIC SCIENCE AB	03030000 Grade level: N/A
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics. DUAL CREDIT AQUATIC SCIENCE AB TCC Course: Oceanography (GEOL 1445 and GEOL 1445 Lab) Survey of oceanography and related sciences. Instructional Material: N/A FWISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently. TCC Co-Prerequisite: GEOL-1455 Lab Early College High School Grade Placement: 11-12	03030000 Grade level: N/A Credit(s): 1
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics. DUAL CREDIT AQUATIC SCIENCE AB TCC Course: Oceanography (GEOL 1445 and GEOL 1445 Lab) Survey of oceanography and related sciences. Instructional Material: N/A FWISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently. TCC Co-Prerequisite: GEOL-1455 Lab Early College High School Grade Placement: 11-12 What's Next? N/A	03030000 Grade level: N/A Credit(s): 1 College Hour(s): 4 hours
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics. DUAL CREDIT AQUATIC SCIENCE AB TCC Course: Oceanography (GEOL 1445 and GEOL 1445 Lab) Survey of oceanography and related sciences. Instructional Material: N/A EWISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently. TCC Co-Prerequisite: GEOL-1455 Lab Early College High School Grade Placement: 11-12 What's Next? N/A Course taught by an approved adjunct instructor.	03030000 Grade level: N/A Credit(s): 1 College Hour(s): 4 hour: Tier I
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics. DUAL CREDIT AQUATIC SCIENCE AB TCC Course: Oceanography (GEOL 1445 and GEOL 1445 Lab) Survey of oceanography and related sciences. Instructional Material: N/A FWISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently. TCC Co-Prerequisite: GEOL-1455 Lab Early College High School Grade Placement: 11-12 What's Next? N/A Course taught by an approved adjunct instructor. EARTH SYSTEMS SCIENCE AB	03030000 Grade level: N/A Credit(s): 1 College Hour(s): 4 hour: Tier I
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics. DUAL CREDIT AQUATIC SCIENCE AB TCC Course: Oceanography (GEOL 1445 and GEOL 1445 Lab) Survey of oceanography and related sciences. Instructional Material: N/A FWISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently. TCC Co-Prerequisite: GEOL-1455 Lab Early College High School Grade Placement: 11-12 What's Next? N/A Course taught by an approved adjunct instructor. EARTH SYSTEMS SCIENCE AB The Earth Systems Science course is designed to build on students' prior scientific and academic knowledge and skills	03030000 Grade level: N/A Credit(s): 1 College Hour(s): 4 hours Tier I
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics. DUAL CREDIT AQUATIC SCIENCE AB TCC Course: Oceanography (GEOL 1445 and GEOL 1445 Lab) Survey of oceanography and related sciences. Instructional Material: N/A FWISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently. TCC Co-Prerequisite; GEOL-1455 Lab Early College High School Grade Placement: 11-12 What's Next? N/A Course taught by an approved adjunct instructor. EARTH SYSTEMS SCIENCE AB The Earth Systems Science course is designed to build on students' prior scientific and academic knowledge and skills to develop their understanding of Earth's systems. These systems (the atmosphere, hydrosphere, geosphere, and	03030000 Grade level: N/A Credit(s): 1 College Hour(s): 4 hour: Tier I
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics. DUAL CREDIT AQUATIC SCIENCE AB TCC Course: Oceanography (GEOL 1445 and GEOL 1445 Lab) Survey of oceanography and related sciences. Instructional Material: N/A FWISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently. TCC Co-Prerequisite: GEOL-1455 Lab Early College High School Grade Placement: 11-12 What's Next? N/A Course taught by an approved adjunct instructor. EARTH SYSTEMS SCIENCE AB The Earth Systems Science course is designed to build on students' prior scientific and academic knowledge and skills to develop their understanding of Earth's systems. These systems (the atmosphere, hydrosphere, geosphere, and biosphere) interact through time to produce the Earth's landscapes, climate, and resources. Students explore the	03030000 Grade level: N/A Credit(s): 1 College Hour(s): 4 hour: Tier I
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics. DUAL CREDIT AQUATIC SCIENCE AB TCC Course: Oceanography (GEOL 1445 and GEOL 1445 Lab) Survey of oceanography and related sciences. Instructional Material: N/A FWISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently. TCC Co-Prerequisite: GEOL-1455 Lab Early College High School Grade Placement: 11-12 What's Next? N/A Course taught by an approved adjunct instructor. EARTH SYSTEMS SCIENCE AB The Earth Systems Science course is designed to build on students' prior scientific and academic knowledge and skills to develop their understanding of Earth's systems. These systems (the atmosphere, hydrosphere, geosphere, and biosphere) interact through time to produce the Earth's landscapes, climate, and resources. Students explore the geologic history of individual dynamic systems through the flow of energy and matter, their current states, and how	03030000 Grade level: N/A Credit(s): 1 College Hour(s): 4 hours Tier I
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics. DUAL CREDIT AQUATIC SCIENCE AB TCC Course: Oceanography (GEOL 1445 and GEOL 1445 Lab) Survey of oceanography and related sciences. Instructional Material: N/A FWISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently. TCC Co-Prerequisite: GEOL-1455 Lab Early College High School Grade Placement: 11-12 What's Next? N/A Course taught by an approved adjunct instructor. EARTH SYSTEMS SCIENCE AB The Earth Systems Science course is designed to build on students' prior scientific and academic knowledge and skills to develop their understanding of Earth's systems. These systems (the atmosphere, hydrosphere, geosphere, and biosphere) interact through time to produce the Earth's landscapes, climate, and resources. Students explore the geologic history of individual dynamic systems through the flow of energy and matter, their current states, and how these systems affect and are affected by human use.	03030000 Grade level: N/A Credit(s): 1 College Hour(s): 4 hours Tier I 7538 AB 03060200
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics. DUAL CREDIT AQUATIC SCIENCE AB TCC Course: Oceanography (GEOL 1445 and GEOL 1445 Lab) Survey of oceanography and related sciences. Instructional Material: N/A FWISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently. TCC Co-Prerequisite: GEOL-1455 Lab Early College High School Grade Placement: 11-12 What's Next? N/A Course taught by an approved adjunct instructor. EARTH SYSTEMS SCIENCE AB The Earth Systems Science course is designed to build on students' prior scientific and academic knowledge and skills to develop their understanding of Earth's systems. These systems (the atmosphere, hydrosphere, geosphere, and biosphere) interact through time to produce the Earth's landscapes, climate, and resources. Students explore the geologic history of individual dynamic systems through the flow of energy and matter, their current states, and how these systems affect and are affected by human use. Instructional Material: TBD – Contact Department Director for update	03030000 Grade level: N/A Credit(s): 1 College Hour(s): 4 hours Tier I 7538 AB 03060200 Grade level: 11 – 12
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics. DUAL CREDIT AQUATIC SCIENCE AB TCC Course: Oceanography (GEOL 1445 and GEOL 1445 Lab) Survey of oceanography and related sciences. Instructional Material: N/A FWISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently. TCC Co-Prerequisite: GEOL-1455 Lab Early College High School Grade Placement: 11-12 What's Next? N/A Course taught by an approved adjunct instructor. EARTH SYSTEMS SCIENCE AB The Earth Systems Science course is designed to build on students' prior scientific and academic knowledge and skills to develop their understanding of Earth's systems. These systems (the atmosphere, hydrosphere, geosphere, and biosphere) interact through time to produce the Earth's landscapes, climate, and resources. Students explore the geologic history of individual dynamic systems through the flow of energy and matter, their current states, and how these systems affect and are affected by human use.	03030000 Grade level: N/A Credit(s): 1 College Hour(s): 4 hours Tier I 7538 AB 03060200

OnRamps GEOSCIENCE	7534 AB
This course introduces students to the major areas in geoscience and helps them develop critical, creative, and	03060200
geological problem-solving skills, as applied to 21st century scientific problems. It covers the fundamentals of how the	
earth works, and how various systems (lithosphere, atmosphere, hydrosphere, and biosphere) interact to form the	
complex of which we live. OnRamps works through a dual-enrollment model. Using a hybrid delivery approach,	
students meet rigorous university-level college readiness standards and have the opportunity to earn UT Austin credit	Grade level: 11 – 12
from a UT faculty member and high school credit from their local teacher.	Credit(s): 1
Instructional Material: Selected and provided by the University of Texas at Austin	College Hour(s): 3
Required Prerequisites: Biology & Chemistry	Tier I
What's Next? Any 3 rd or 4 th year science credit that is aligned to the students' particular endorsement.	
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics. DUAL CREDIT EARTH AND SPACE SCIENCE AB	7520 AD
TCC Course: Earth Sciences, Non-Science Majors (GEOL 1401 and GEOL 1401 Lab)	7539 AB
Survey of geology, meteorology, oceanography, and astronomy.	03060200
Instructional Material: N/A	
<u>Prerequisites:</u> Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently.	Grade level: N/A
TCC Co-Prerequisite: GEOL-1401 Lab	Credit(s): 1
What's Next? N/A	College Hour(s): 4 hours
Early College High School Grade Placement: 11-12	Tier I
Course taught by an approved adjunct instructor.	
HONORS ORGANIC CHEMISTRY AB	7602 ABH
This course is designed for those students seeking higher level learning in chemistry that are planning to pursue a	N1120027
college degree in chemistry, chemical engineering, pharmacy or pre-med associated majors. Organic chemistry will	
parallel the learning and education of a first semester, college organic chemistry course. By definition, organic	
chemistry is dedicated to the study of carbon compounds, which include hydrocarbons and fossil fuels. Students who	
successfully complete organic chemistry will be adequately prepared for the continuing advanced learning of	
chemistry in a college environment. Independent research is a required component of this honors course.	
Instructional Material: No state adopted instructional material(s)/FWISD textbook – Organic Chemistry, McMurray	Grade level: 11 – 12
<u>Prerequisites:</u> Recommended that student has successfully completed, or is concurrently enrolled in, AP Chemistry.	Credit(s): 1
What's Next? N/A	College Hour(s): NA
This course counts for State Elective Credit only; therefore, it may not be counted as a required science course.	Tier I
DUAL CREDIT ORGANIC CHEMISTRY A	7604 A
TCC Course: Organic Chemistry I (CHEM 2423 and CHEM 2423 Lab)	
Fundamental principles of organic chemistry will be studied, including the structure, bonding, properties, and	N1120027
reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is	N1120027
reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature,	N1120027
reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules.	N1120027
reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. This course is intended for students in science or pre-professional programs.	N1120027
reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. This course is intended for students in science or pre-professional programs. Instructional Material: N/A	
reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. This course is intended for students in science or pre-professional programs. Instructional Material: N/A FWISD & TCC Prerequisites: CHEM-1412	Grade level: N/A
reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. This course is intended for students in science or pre-professional programs. Instructional Material: N/A FWISD & TCC Prerequisites: CHEM-1412 TCC Co-requisite: CHEM-2423 Lab	Grade level: N/A Credit(s): 0.5
reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. This course is intended for students in science or pre-professional programs. Instructional Material: N/A FWISD & TCC Prerequisites: CHEM-1412 TCC Co-requisite: CHEM-2423 Lab Early College High School Grade Placement: 11-12	Grade level: N/A Credit(s): 0.5 College Hour(s): 4 hours
reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. This course is intended for students in science or pre-professional programs. Instructional Material: N/A FWISD & TCC Prerequisites: CHEM-1412 TCC Co-requisite: CHEM-2423 Lab Early College High School Grade Placement: 11-12 What's Next? N/A	Grade level: N/A Credit(s): 0.5
reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. This course is intended for students in science or pre-professional programs. Instructional Material: N/A FWISD & TCC Prerequisites: CHEM-1412 TCC Co-requisite: CHEM-2423 Lab Early College High School Grade Placement: 11-12 What's Next? N/A Course taught by an approved adjunct instructor.	Grade level: N/A Credit(s): 0.5 College Hour(s): 4 hours Tier I
reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. This course is intended for students in science or pre-professional programs. Instructional Material: N/A FWISD & TCC Prerequisites: CHEM-1412 TCC Co-requisite: CHEM-2423 Lab Early College High School Grade Placement: 11-12 What's Next? N/A Course taught by an approved adjunct instructor. DUAL CREDIT ORGANIC CHEMISTRY B	Grade level: N/A Credit(s): 0.5 College Hour(s): 4 hours
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reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. This course is intended for students in science or pre-professional programs. Instructional Material; N/A FWISD & TCC Prerequisites; CHEM-1412 TCC Co-requisite; CHEM-2423 Lab Early College High School Grade Placement: 11-12 What's Next? N/A Course taught by an approved adjunct instructor. DUAL CREDIT ORGANIC CHEMISTRY B TCC Course: Organic Chemistry II (CHEM 2425 and CHEM 2425 Lab) Continuation of CHEM 2423. Advanced principles of organic chemistry will be studied, including the structure, properties, and reactivity of aliphatic and aromatic organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. This course is intended for students in pre-professional science programs. Instructional Material: N/A FWISD & TCC Prerequisites: CHEM-1412 TCC Co-Requisite: CHEM-2423 Lab Early College High School Grade Placement: 11-12 What's Next? N/A Course taught by an approved adjunct instructor. ASTRONOMY AB In Astronomy, students focus on patterns, processes, and relationships among astronomical objects in our universe.	Grade level: N/A Credit(s): 0.5 College Hour(s): 4 hours Tier I 7604 B N1120027 Grade level: N/A Credit(s): 0.5 College Hour(s): 4 hours Tier I
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nstructional Material: TPD Contact Department Director for undate	Grade level: 11 - 12
<u>nstructional Material:</u> <i>TBD – Contact Department Director for update</i> <u>Required Prerequisites:</u> Algebra I and Integrated Physics and Chemistry or Chemistry.	Credit(s): 1
<u>What's Next?</u> Any 3 rd or 4 th year science credit that is aligned to the students' particular endorsement.	College Hour(s): NA
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics.	Tier III
HONORS ASTRONOMY I ABH	7707 ABH
n Honors Astronomy, students develop a deep conceptual understanding of astronomical objects in our universe. As	03060100
students engage in grade-level Astronomy content described in the Astronomy AB course description, they utilize the	03000100
scientific reasoning skills needed to analyze the natural world and to succeed in future science and social science	
courses in high school and college. Multiple opportunities to think and work like scientists include a particular	
attention to modeling, strategic use of mathematics, and an emphasis on analytical reading and writing.	
nstructional Material: TBD – Contact Department Director for update	Grade level: 10 - 12
Required Prerequisites: Algebra I and Integrated Physics and Chemistry or Chemistry.	Credit(s): 1
<u>What's Next?</u> Any 3 rd or 4 th year science credit that is aligned to the students' particular endorsement.	College Hour(s): NA
NOTE: Students with a STEM endorsement are required to complete chemistry AND physics.	Tier II
DUAL CREDIT ASTRONOMY A	7708 A
	1100 A
TCC Course: Stars and Galaxies (PHYS 1403 and PHYS 1403 Lab)	00000100
Study of stars, galaxies, and the universe outside our solar system. Laboratory requires night observations. nstructional Material: N/A	03060100
	Grade level: N/A
TCC Co-Requisite: PHYS-1403 Lab	Credit(s): 0.5
What's Next? N/A	College Hour(s): 4 hours
Early College High School Grade Placement: 11-12	Tier I
Course taught by an approved adjunct instructor.	
DUAL CREDIT ASTRONOMY B	7708 B
CCC Course: Solar System (PHYS 1404 and PHYS 1404 Lab)	
Study of the sun and its solar system, including its origin. Laboratory requires night observations.	03060100
nstructional Material: N/A	55000100
<u>TSTRUCTIONAL MATERIAL</u> N/A <u>FWISD Prerequisites:</u> Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken	Grade level: N/A
concurrently.	Credit(s): 0.5
CCC Co-Requisite: PHYS-1404 Lab	College Hour(s): 4 hours
<u>Nhat's Next?</u> N/A	Tier I
Early College High School Grade Placement: 11-12	
Course taught by an approved adjunct instructor.	
ENVIRONMENTAL SYSTEMS AB	7676 AB
n Environmental Systems, students conduct field and laboratory investigations, use scientific and engineering	03020000
n Environmental Systems, students conduct field and laboratory investigations, use scientific and engineering practices during investigations, and make informed decisions using critical thinking and scientific problem solving.	03020000
oractices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include biotic and abiotic factors in habitats, ecosystems and biomes,	
nterrelationships among resources and an environmental system, sources and flow of energy through an	
environmental system, relationship between carrying capacity and changes in populations and ecosystems, natural	
changes in the environment, and human activities that impact the natural environment.	
	Grade lovel: 10 12
nstructional Material: TBD – Contact Department Director for update	Grade level: 10 – 12 Credit(s): 1
Required Prerequisites: One unit of high school biology.	* *
Suggested Prerequisites: Integrated Physics and Chemistry, Chemistry, or concurrent enrollment in either course.	College Hour(s): NA
<u>What's Next?</u> Any 3^{rd} or 4^{th} year science credit that is aligned to the students' particular endorsement.	Tier III
NOTE: Students with a STEM and organization required to complete chamistry AND physics	
	7600 AD
DUAL CREDIT ENVIRONMENTAL SYSTEMS AB	7680 AB
DUAL CREDIT ENVIRONMENTAL SYSTEMS AB TCC Course: Environmental Biology (BIOL 2306 and BIOL 2306 Lab)	7680 AB
DUAL CREDIT ENVIRONMENTAL SYSTEMS AB TCC Course: Environmental Biology (BIOL 2306 and BIOL 2306 Lab) TWU Course: Physical Science & Environment (CHE 1404)	
DUAL CREDIT ENVIRONMENTAL SYSTEMS AB TCC Course: Environmental Biology (BIOL 2306 and BIOL 2306 Lab) TWU Course: Physical Science & Environment (CHE 1404) Principles of environmental systems and ecology, including biogeochemical cycles, energy transformations, abiotic	7680 AB 03020000
DUAL CREDIT ENVIRONMENTAL SYSTEMS AB TCC Course: Environmental Biology (BIOL 2306 and BIOL 2306 Lab) TWU Course: Physical Science & Environment (CHE 1404) Principles of environmental systems and ecology, including biogeochemical cycles, energy transformations, abiotic interactions, symbiotic relationships, natural resources and their management, lifestyle analysis, evolutionary trends,	
DUAL CREDIT ENVIRONMENTAL SYSTEMS AB TCC Course: Environmental Biology (BIOL 2306 and BIOL 2306 Lab) TWU Course: Physical Science & Environment (CHE 1404) Principles of environmental systems and ecology, including biogeochemical cycles, energy transformations, abiotic interactions, symbiotic relationships, natural resources and their management, lifestyle analysis, evolutionary trends, nazards and risks, and approaches to ecological research.	
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CC Course: Environmental Biology (BIOL 2306 and BIOL 2306 Lab) TWU Course: Physical Science & Environment (CHE 1404) Principles of environmental systems and ecology, including biogeochemical cycles, energy transformations, abiotic interactions, symbiotic relationships, natural resources and their management, lifestyle analysis, evolutionary trends, nazards and risks, and approaches to ecological research. Instructional Material: N/A WISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently. ICC Recommended Prerequisite: MATH-1314 ICC Required Prerequisite: TSI compliant in Writing, Reading and Mathematics ICC Co-Requisite: BIOL-2306 Lab	
DUAL CREDIT ENVIRONMENTAL SYSTEMS AB TCC Course: Environmental Biology (BIOL 2306 and BIOL 2306 Lab) TWU Course: Physical Science & Environment (CHE 1404) Principles of environmental systems and ecology, including biogeochemical cycles, energy transformations, abiotic interactions, symbiotic relationships, natural resources and their management, lifestyle analysis, evolutionary trends, nazards and risks, and approaches to ecological research. Instructional Material: N/A WISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently. TCC Recommended Prerequisite: MATH-1314 TCC Required Prerequisite: TSI compliant in Writing, Reading and Mathematics TCC Co-Requisite: BIOL-2306 Lab	03020000
DUAL CREDIT ENVIRONMENTAL SYSTEMS AB TCC Course: Environmental Biology (BIOL 2306 and BIOL 2306 Lab) TWU Course: Physical Science & Environment (CHE 1404) Principles of environmental systems and ecology, including biogeochemical cycles, energy transformations, abiotic interactions, symbiotic relationships, natural resources and their management, lifestyle analysis, evolutionary trends, nazards and risks, and approaches to ecological research. Instructional Material: N/A EWISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently. TCC Recommended Prerequisite: MATH-1314 TCC Required Prerequisite: TSI compliant in Writing, Reading and Mathematics TCC Co-Requisite: BIOL-2306 Lab TWU Prerequisites: Only Offered at Dunbar CHE 1403 Early College High School Grade Placement: 11-12.	03020000 Grade level: N/A Credit(s): 1
DUAL CREDIT ENVIRONMENTAL SYSTEMS AB TCC Course: Environmental Biology (BIOL 2306 and BIOL 2306 Lab) TWU Course: Physical Science & Environment (CHE 1404) Principles of environmental systems and ecology, including biogeochemical cycles, energy transformations, abiotic interactions, symbiotic relationships, natural resources and their management, lifestyle analysis, evolutionary trends, nazards and risks, and approaches to ecological research. Instructional Material: N/A EWISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently. TCC Recommended Prerequisite: MATH-1314 TCC Required Prerequisite: TSI compliant in Writing, Reading and Mathematics TCC Co-Requisite: BIOL-2306 Lab TWU Prerequisites: Only Offered at Dunbar CHE 1403 Early College High School Grade Placement: 11-12.	03020000 Grade level: N/A
DUAL CREDIT ENVIRONMENTAL SYSTEMS AB TCC Course: Environmental Biology (BIOL 2306 and BIOL 2306 Lab) TWU Course: Physical Science & Environment (CHE 1404) Principles of environmental systems and ecology, including biogeochemical cycles, energy transformations, abiotic interactions, symbiotic relationships, natural resources and their management, lifestyle analysis, evolutionary trends, nazards and risks, and approaches to ecological research. Instructional Material: N/A EWISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently. TCC Recommended Prerequisite: MATH-1314 TCC Required Prerequisite: TSI compliant in Writing, Reading and Mathematics TCC Co-Requisite: BIOL-2306 Lab TWU Prerequisites: Only Offered at Dunbar CHE 1403 Early College High School Grade Placement: 11-12. Course taught by an approved adjunct instructor. DORAmps QUANTUM COMPUTING AB	Grade level: N/A Credit(s): 1 College Hour(s): 3 hours
DUAL CREDIT ENVIRONMENTAL SYSTEMS AB TCC Course: Environmental Biology (BIOL 2306 and BIOL 2306 Lab) TWU Course: Physical Science & Environment (CHE 1404) Principles of environmental systems and ecology, including biogeochemical cycles, energy transformations, abiotic interactions, symbiotic relationships, natural resources and their management, lifestyle analysis, evolutionary trends, nazards and risks, and approaches to ecological research. Instructional Material: N/A EWISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently. TCC Recommended Prerequisite: MATH-1314 TCC Required Prerequisite: TSI compliant in Writing, Reading and Mathematics TCC O-Requisite: BIOL-2306 Lab TWU Prerequisites: Only Offered at Dunbar CHE 1403 Early College High School Grade Placement: 11-12. Course taught by an approved adjunct instructor. DORAmps QUANTUM COMPUTING AB	Grade level: N/A Credit(s): 1 College Hour(s): 3 hours Tier I 7137 AB
DUAL CREDIT ENVIRONMENTAL SYSTEMS AB TCC Course: Environmental Biology (BIOL 2306 and BIOL 2306 Lab) TWU Course: Physical Science & Environment (CHE 1404) Principles of environmental systems and ecology, including biogeochemical cycles, energy transformations, abiotic interactions, symbiotic relationships, natural resources and their management, lifestyle analysis, evolutionary trends, nazards and risks, and approaches to ecological research. Instructional Material: N/A EWISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently. TCC Recommended Prerequisite: MATH-1314 TCC Required Prerequisite: TSI compliant in Writing, Reading and Mathematics TCC Co-Requisite: BIOL-2306 Lab TWU Prerequisites: Only Offered at Dunbar CHE 1403 Early College High School Grade Placement: 11-12. Course taught by an approved adjunct instructor. DNRamps QUANTUM COMPUTING AB Quantum Computing offers an introduction to the modern science and technological applications of quantum	Grade level: N/A Credit(s): 1 College Hour(s): 3 hours Tier I
DUAL CREDIT ENVIRONMENTAL SYSTEMS AB TCC Course: Environmental Biology (BIOL 2306 and BIOL 2306 Lab) TWU Course: Physical Science & Environment (CHE 1404) Principles of environmental systems and ecology, including biogeochemical cycles, energy transformations, abiotic interactions, symbiotic relationships, natural resources and their management, lifestyle analysis, evolutionary trends, nazards and risks, and approaches to ecological research. Instructional Material: N/A EWISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken concurrently. TCC Recommended Prerequisite: MATH-1314 TCC Required Prerequisite: TSI compliant in Writing, Reading and Mathematics TCC Co-Requisite: BIOL-2306 Lab WU Prerequisites: Only Offered at Dunbar CHE 1403 Early College High School Grade Placement: 11-12. Course taught by an approved adjunct instructor. DORAmps QUANTUM COMPUTING AB	Grade level: N/A Credit(s): 1 College Hour(s): 3 hours Tier I 7137 AB

actions and communication through class activities and every projects. This course lays the communication through	
solving, and communication through class activities and group projects. This course lays the conceptual groundwork for STEM majors. Students will experience a high-quality curriculum designed by the faculty at The University of Texas	
at Austin (UT Austin) and can earn up to three hours of college credit and high school credit from their local teacher.	
This course will count as a math credit on the high school transcript. However, on the UT Austin college transcript it	
will be noted as a science credit.	
Instructional Material: Selected and provided by the University of Texas at Austin	Grade level 11-12
Prerequisites: Algebra 1, Geometry; Recommended: Algebra II or Precalculus	Credit(s) .05 - 1
What's Next? N/A	College Hour(s) 3
031025##: 1 st Time ##=00, 2 nd Time ##=01, 3 rd Time ##=05	Tier 1
TEXAS PREFRESHMAN ENGINEERING PROGRAM I AB	7421 AB
Available at Texas Wesleyan University and/or Tarrant County Community College, as summer enrichment for high	N1303752
ability students, these courses emphasize study and research in mathematics, engineering, and computer science.	
Preference is given to female students and minority students who have been underrepresented in the field of	
engineering. Note: This course is for state elective credit only, and some students may have earned one or two credits	
n middle school. For this course to count as an elective credit and to be calculated into the student's GPA; each	
student is responsible to provide his/her grade and course information to his/her counselor.	Grade level: 9 - 11
Instructional Material: Textbook(s) and materials provided by the participating university	Credit(s): 1
Prerequisites: Average of 80 or higher in college preparatory mathematics course; teacher recommendation	College Hour(s): 4 hours
What's Next? N/A	Tier III
TEXAS PREFRESHMAN ENGINEERING PROGRAM II AB	7423 AB
Available at Texas Wesleyan University and/or Tarrant County Community College, as summer enrichment for high	N1303753
ability students, these courses emphasize study and research in mathematics, engineering, and computer science.	
Preference is given to female students and minority students who have been underrepresented in the field of	
engineering. Note: This course is for state elective credit only, and some students may have earned one or two credits	
n middle school. For this course to count as an elective credit and to be calculated into the student's GPA; each	Grade level: 9 - 11
student is responsible to provide his/her grade and course information to his/her counselor.	
nstructional Material: Textbook(s) and materials provided by the participating university	Credit(s): 1
Prerequisites: Average of 80 or higher in college preparatory mathematics course; teacher recommendation	College Hour(s): 4 hours
<u>Nhat's Next?</u> N/A	Tier III
TEXAS PREFRESHMAN ENGINEERING PROGRAM III AB	7425 AB
Available at Texas Wesleyan University and/or Tarrant County Community College, as summer enrichment for high	N1303754
ability students, these courses emphasize study and research in mathematics, engineering, and computer science.	
Preference is given to female students and minority students who have been underrepresented in the field of	
engineering. Note: This course is for state elective credit only, and some students may have earned one or two credits	
n middle school. For this course to count as an elective credit and to be calculated into the student's GPA; each	C 0 11
student is responsible to provide his/her grade and course information to his/her counselor.	Grade level: 9 - 11
nstructional Material: Textbook(s) and materials provided by the participating university	Credit(s): 1
Prerequisites: Average of 80 or higher in college preparatory mathematics course; teacher recommendation	College Hour(s): 4 hours
What's Next? N/A	Tier III
EXAS PREFRESHMAN ENGINEERING PROGRAM IV AB	7427 AB
Available at Texas Wesleyan University and/or Tarrant County Community College, as summer enrichment for high	N1303755
ability students, these courses emphasize study and research in mathematics, engineering, and computer science.	Grade level: 9 - 11
Preference is given to female students and minority students who have been underrepresented in the field of engineering. Note: This course is for state elective credit only, and some students may have earned one or two credits	Credit(s): 1
in middle school. For this course to count as an elective credit only, and some students may have earned one or two credits in middle school. For this course to count as an elective credit and to be calculated into the student's GPA; each	College Hour(s): 4 hours
student is responsible to provide his/her grade and course information to his/her counselor.	Tier III

<u>Instructional Material:</u> Textbook(s) and materials provided by the participating university

<u>Prerequisites:</u> Average of 80 or higher in college preparatory mathematics course; teacher recommendation

CTE COURSES

Students may repeat the Scientific Research and Design course TEKS with different course content for up to a maximum of three credits. If being taken as their fourth-year science course,

SCIENTIFIC RESEARCH AND DESIGN AB	ST37202 AB
Students may repeat the Scientific Research and Design course TEKS with different course content for up to a maximum of three credits. If being taken as their fourth-year science course, DAP students must successfully	130372##
complete a biology, a chemistry, and a physics course prior to the Scientific Research and Design course or take it concurrently with the third one of these required courses.	Grade level: 12 HS Credit(s): 1
Instructional Material: Contact the content director (Science and/or CTE Director) Prerequisites: To receive 4th year science credit students must have completed two (2) units of science (Biology, and Chemistry or Physics), one (1) of which may be taken concurrently.	College Hour(s): NA Tier III

130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20

HONORS SCIENTIFIC RESEARCH AND DESIGN AB	STH37202 AB
In addition to meeting the 40% laboratory and fieldwork requirement, students in this course must complete an	130372##
independent research project. It is a required component of the all Honors Scientific Research and Design courses.	
Students taking the course for science credit must register and participate in the Fort Worth Regional Science and	Grade level: 12
Engineering Fair. May also be taught by any certified secondary science teacher, or CTE teacher with a	HS Credit(s): 1
baccalaureate degree and 18 semester credit hours in any combination of sciences. 19 TAC Chapter 231.	College Hour(s): NA
Instructional Material: Contact the content director (Science and/or CTE Director)	Tier II
<u>Prerequisites:</u> To receive 4th year science credit students must have completed two (2) units of science (Biology, and	
Chemistry or Physics), one (1) of which may be taken concurrently.	
130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20	
Course taught by locally certified gifted CTE teacher	
SCIENTIFIC RESEARCH AND DESIGN II AB	ST37212 AB
The student conducts laboratory and field investigations using safe, environmentally appropriate, and ethical	130372##
practices. These investigations must involve actively obtaining and analyzing data with physical equipment, but may	Consider to control 11 12
also involve experimentation in a simulated environment as well as field observations that extend beyond the	Grade level: 11 - 12
science or CTE classrooms. Research in an area of bio-related technology; communication; construction; energy,	HS Credit(s): 1
power, and transportation; or engineering align with various CTE clusters. Students apply research to problem solving and development of prototypes and working models.	College Hour(s): NA Tier III
Instructional Material: Contact the content director (Science and/or CTE Director)	Her III
Prerequisites: To receive 4th year science credit students must have completed two (2) units of science (Biology, and	
Chemistry or Physics), one (1) of which may be taken concurrently.	
Course taught by any certified secondary science teacher or CTE teacher with a baccalaureate degree and 18 semester	
credit hours in any combination of sciences. 19 TAC Chapter 231.	
130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20	
HONORS SCIENTIFIC RESEARCH AND DESIGN II AB	STH37212 AB
The student conducts laboratory and field investigations using safe, environmentally appropriate, and ethical	130372##
practices. These investigations must involve actively obtaining and analyzing data with physical equipment, but may	130372""
also involve experimentation in a simulated environment as well as field observations that extend beyond the	Grade level: 12
science or CTE classrooms. Research in an area of bio-related technology; communication; construction; energy,	HS Credit(s): 1
power, and transportation; or engineering align with various CTE clusters. Students apply research to problem	College Hour(s): NA
solving and development of prototypes and working models. Special projects are included in this honors level	Tier II
course. Independent research is a required component of the all Honors Scientific Research and Design courses.	
<u>Instructional Material:</u> Contact the content director (Science and/or CTE Director)	
Prerequisites: To receive 4th year science credit students must have completed two (2) units of science (Biology, and	
Chemistry or Physics), one (1) of which may be taken concurrently.	
130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20	
Course taught by locally certified gifted CTE teacher (May be taught by any certified secondary science teacher or	
CTE teacher with a baccalaureate degree and 18 semester credit hours	
SCIENTIFIC RESEARCH AND DESIGN III AB	ST37222 AB
The student conducts laboratory and field investigations using safe, environmentally appropriate, and ethical	130372##
practices. These investigations must involve actively obtaining and analyzing data with physical equipment, but may	
	0 1 144 40
also involve experimentation in a simulated environment as well as field observations that extend beyond the	Grade level: 11 - 12
also involve experimentation in a simulated environment as well as field observations that extend beyond the science or CTE classrooms. Research in an area of bio-related technology; communication; construction; energy,	Grade level: 11 - 12 HS Credit(s): 1
science or CTE classrooms. Research in an area of bio-related technology; communication; construction; energy, power, and transportation; or engineering align with various CTE clusters. Students apply research to problem	
science or CTE classrooms. Research in an area of bio-related technology; communication; construction; energy,	HS Credit(s): 1
science or CTE classrooms. Research in an area of bio-related technology; communication; construction; energy, power, and transportation; or engineering align with various CTE clusters. Students apply research to problem	HS Credit(s): 1 College Hour(s): NA
science or CTE classrooms. Research in an area of bio-related technology; communication; construction; energy, power, and transportation; or engineering align with various CTE clusters. Students apply research to problem solving and development of prototypes and working models.	HS Credit(s): 1 College Hour(s): NA
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science or CTE classrooms. Research in an area of bio-related technology; communication; construction; energy, power, and transportation; or engineering align with various CTE clusters. Students apply research to problem solving and development of prototypes and working models. Instructional Material: Contact the content director (Science and/or CTE Director) Prerequisites: To receive 4th year science credit students must have completed two (2) units of science (Biology, and Chemistry or Physics), one (1) of which may be taken concurrently. Course taught by any certified secondary science teacher or CTE teacher with a baccalaureate degree and 18 semester credit hours in any combination of sciences. 19 TAC Chapter 231. 130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20 HONORS SCIENTIFIC RESEARCH AND DESIGN III AB The student conducts laboratory and field investigations using safe, environmentally appropriate, and ethical practices. These investigations must involve actively obtaining and analyzing data with physical equipment, but may	HS Credit(s): 1 College Hour(s): NA Tier III STH37222 AB
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Course taught by locally certified gifted CTE teacher (May be taught by any certified secondary science teacher or CTE teacher with a baccalaureate degree and 18 semester credit hours

SCIENTIFIC RESEARCH AND DESIGN: INTRODUCTION TO CELL BIOLOGY AB	7578 AB
This course provides an intricate introduction to cells and cellular processes. The course is meant to provide advanced science students the opportunity to engage in advanced experimentation. This course will introduce	130372##
scientific research journal articles and give students the opportunity to assess and write about summary articles. This course is based upon TEKS developed by the teachers.	
Instructional Material: No state-adopted textbook	
<u>Prerequisites:</u> Students should have completed or be concurrently enrolled in AP Biology, Medical Microbiology/Pathobiology, or AP Chemistry.	Grade level: 11 – 12 Credit(s): 1
<u>What's Next?</u> University level course in Biology or enrollment in Medical Microbiology/Pathobiology or AP Biology	College Hour(s): NA Tier I
Teachers teaching this course must be Composite Science or Biology certified, with some college work in Cell Biology. Offered only at: Paschal	Tier i
130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20	
DUAL CREDIT SCIENTIFIC RESEARCH AND DESIGN A	STD37202 A
TCC Course: Biology for Science Majors I (BIOL 1406 and BIOL 1406 Lab) Fundamental principles of living organisms will be studied, including physical and chemical properties of life,	130372##
organization, function, evolutionary adaptation, and classification. Concepts of reproduction, genetics, and scientific	130312##
reasoning are included. nstructional Material: TBD	Grade level: N/A
FWISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken	Credit(s): 0.5
concurrently.	College Hour(s): 4 hours
TCC Recommended Prerequisites: MATH 1314	Tier I
TCC Required Prerequisites: TSI compliant in Writing, Reading and Mathematics	
<u>FCC Co-requisite:</u> BIOL 1406 Lab	
High School Early College Placement: 10-11	
<u>Nhat's Next?</u> N/A Course taught by an approved adjunct instructor.	
130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20	
DUAL CREDIT SCIENTIFIC RESEARCH AND DESIGN B	STD37202 B
TCC Course: Biology for Science Majors I (BIOL 1407 and BIOL 1407 Lab)	
Continuation of BIOL-1406. The diversity and classification of life will be studied, including animals, plants, protists,	130372##
rungi, and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology, and evolution of plants and animals.	
nstructional Material: TBD	Grade level: N/A
-WISD Prerequisites: Three (3) units of science (Biology, Chemistry, Physics), one (1) of which may be taken	Credit(s): 0.5
concurrently.	College Hour(s): 4 hours
TCC Prerequisites: TSI compliant in Writing, Reading and Mathematics	Tier I
TCC Co-requisite: BIOL 1406 Lab.	
Early College High School Grade Placement: 10-11	
What's Next? N/A Course taught by an approved adjunct instructor.	
130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20 DUAL CREDIT SCIENTIFIC RESEARCH AND DESIGN A: BIOLOGY FOR NON-SCIENCE MAJORS A	STD1408A
CC Course: Biology for Non-Science Majors I (BIOL 1408 and BIOL 1408 Lab)	STD1408
Provides a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure,	130372##
function, and reproduction. Laboratory activities will reinforce a survey of biological principles with an emphasis on	
numans, including chemistry of life, cells, structure, function, and reproduction.	
nstructional Material: TBD	Grade level: N/A
WISD Prerequisites: Biology and Chemistry and/or Physics	Credit(s): 0.5
CC Recommended Prerequisites: None	College Hour(s): 4 hours
CC Required Prerequisites: TSI compliant in Writing, Reading and Mathematics	Tier I
CC Co-requisite: None	
arly College High School Grade Placement: 11-12	
- • • • • • • • • • • • • • • • • • • •	
What's Next? N/A	
<u>What's Next?</u> N/A Course taught by an approved adjunct instructor.	
<u>What's Next?</u> N/A Course taught by an approved adjunct instructor. 130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20	STD1//00R
What's Next? N/A Course taught by an approved adjunct instructor. 130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20 DUAL CREDIT SCIENTIFIC RESEARCH AND DESIGN B: BIOLOGY FOR NON-SCIENCE MAJORS B	STD1409B STD1409
What's Next? N/A Course taught by an approved adjunct instructor. 130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20 DUAL CREDIT SCIENTIFIC RESEARCH AND DESIGN B: BIOLOGY FOR NON-SCIENCE MAJORS B FCC Course: Biology for Non-Science Majors II (BIOL 1409 and BIOL 1409 Lab)	STD1409
What's Next? N/A Course taught by an approved adjunct instructor. 130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20 DUAL CREDIT SCIENTIFIC RESEARCH AND DESIGN B: BIOLOGY FOR NON-SCIENCE MAJORS B TCC Course: Biology for Non-Science Majors II (BIOL 1409 and BIOL 1409 Lab) This course will provide a survey of biological principles with an emphasis on humans, including evolution, ecology,	
What's Next? N/A Course taught by an approved adjunct instructor. 130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20 DUAL CREDIT SCIENTIFIC RESEARCH AND DESIGN B: BIOLOGY FOR NON-SCIENCE MAJORS B TCC Course: Biology for Non-Science Majors II (BIOL 1409 and BIOL 1409 Lab) This course will provide a survey of biological principles with an emphasis on humans, including evolution, ecology, blant and animal diversity, and physiology. Laboratory activities will reinforce a survey of biological principles with	STD1409
What's Next? N/A Course taught by an approved adjunct instructor. 130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20 DUAL CREDIT SCIENTIFIC RESEARCH AND DESIGN B: BIOLOGY FOR NON-SCIENCE MAJORS B ICC Course: Biology for Non-Science Majors II (BIOL 1409 and BIOL 1409 Lab) This course will provide a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. Laboratory activities will reinforce a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology.	STD1409 130372##
What's Next? N/A Course taught by an approved adjunct instructor. #30372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20 DUAL CREDIT SCIENTIFIC RESEARCH AND DESIGN B: BIOLOGY FOR NON-SCIENCE MAJORS B FCC Course: Biology for Non-Science Majors II (BIOL 1409 and BIOL 1409 Lab) This course will provide a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. Laboratory activities will reinforce a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. Instructional Material: TBD	STD1409 130372## Grade level: N/A
What's Next? N/A Course taught by an approved adjunct instructor. 130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20 DUAL CREDIT SCIENTIFIC RESEARCH AND DESIGN B: BIOLOGY FOR NON-SCIENCE MAJORS B TCC Course: Biology for Non-Science Majors II (BIOL 1409 and BIOL 1409 Lab) This course will provide a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. Laboratory activities will reinforce a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. Instructional Material: TBD WISD Prerequisites: Biology and Chemistry and/or Physics	STD1409 130372## Grade level: N/A Credit(s): 0.5
What's Next? N/A Course taught by an approved adjunct instructor. 130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20 DUAL CREDIT SCIENTIFIC RESEARCH AND DESIGN B: BIOLOGY FOR NON-SCIENCE MAJORS B TCC Course: Biology for Non-Science Majors II (BIOL 1409 and BIOL 1409 Lab) This course will provide a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. Laboratory activities will reinforce a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. Instructional Material: TBD FWISD Prerequisites: Biology and Chemistry and/or Physics ICC Recommended Prerequisites: None ICC Required Prerequisites: TSI compliant in Writing, Reading and Mathematics	STD1409 130372## Grade level: N/A

Early College High School Grade Placement: 11-12 What's Next? N/A Course taught by an approved adjunct instructor. 130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20 **DUAL CREDIT SCIENTIFIC RESEARCH AND DESIGN A: GENERAL CHEMISTRY A** STD1411A TCC Course: General Chemistry I (CHEM 1411 and CHEM 1411 Lab) STD1411LA Fundamental principles of chemistry for majors in the sciences, health sciences, and engineering; topics include 130372## measurements, fundamental properties of matter, states of matter, chemical reactions, chemical stoichiometry, periodicity of elemental properties, atomic structure, chemical bonding, molecular structure, solutions, properties of gases, and an introduction to thermodynamics and descriptive chemistry. Basic laboratory experiments supporting theoretical principles in lecture; introduction of the scientific method, experimental design, data collection and analysis, and preparation of laboratory reports. Instructional Material: TBD Grade level: N/A FWISD Prerequisites: Biology and Chemistry and/or Physics Credit(s): 0.5 TCC Recommended Prerequisites: High School Chemistry College Hour(s): 4 hours TCC Required Prerequisites: MATH 1314 or equivalent academic preparation; TSI compliant in Writing, Reading and Tier I Mathematics TCC Co-requisite: None Early College High School Placement: 11-12 What's Next? N/A Course taught by an approved adjunct instructor. 130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20 DUAL CREDIT SCIENTIFIC RESEARCH AND DESIGN B: GENERAL CHEMISTRY B STD1412B TCC Course: General Chemistry II (CHEM 1412 and CHEM 1412 Lab) STD1412 Chemical equilibrium; phase diagrams and spectrometry; acid-base concepts; thermodynamics; kinetics; 130372## electrochemistry; nuclear chemistry; an introduction to organic chemistry and descriptive inorganic chemistry. Basic laboratory experiments supporting theoretical principles presented in lecture; introduction of the scientific method, experimental design, chemical instrumentation, data collection and analysis, and preparation of laboratory reports. Instructional Material: TBD Grade level: N/A FWISD Prerequisites: Biology and Chemistry and/or Physics Credit(s): 0.5 TCC Recommended Prerequisites: None College Hour(s): 4 hours TCC Required Prerequisites: CHEM 1411; TSI compliant in Writing, Reading and Mathematics Tier I TCC Co-requisite: None Early College High School Placement: 11-12 What's Next? N/A Course taught by an approved adjunct instructor. 130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20 **DUAL CREDIT SCIENTIFIC RESEARCH AND DESIGN A: COLLEGE PHYSICS I** STD1401A TCC Course: College Physics I (PHYS 1401 and PHYS 1401 Lab) STD1401 Fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical 130372## mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces; with emphasis on problem solving. Laboratory activities will reinforce fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces; emphasis will be on problem solving. Instructional Material: TBD Grade level: N/A FWISD Prerequisites: Biology and Chemistry and/or Physics Credit(s): 0.5 TCC Recommended Prerequisites: None College Hour(s): 4 hours TCC Required Prerequisites: MATH 1314 and MATH 1316 or MATH 2412; TSI compliant in Writing, Reading and Tier I Mathematics TCC Co-requisite: None Early College High School Placement: 11-12 What's Next? N/A Course taught by an approved adjunct instructor. 130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20 **DUAL CREDIT SCIENTIFIC RESEARCH AND DESIGN B: COLLEGE PHYSICS II** STD1402B TCC Course: College Physics II (PHYS 1402 and PHYS 1402 Lab) STD1402 130372## Fundamental principles of physics, using algebra and trigonometry; the principles and applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics, and modern physics topics; with emphasis on problem solving. Laboratory activities will reinforce fundamental principles of physics, using algebra and trigonometry; the principles and applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics, and modern physics topics; with emphasis on problem solving.

Instructional Material: TBD Grade level: N/A FWISD Prerequisites: Biology and Chemistry and/or Physics Credit(s): 0.5 TCC Recommended Prerequisites: None College Hour(s): 4 hours TCC Required Prerequisites: PHYS 1401; TSI compliant in Writing, Reading and Mathematics Tier I TCC Co-requisite: None Early College High School Placement: 11-12 What's Next? N/A Course taught by an approved adjunct instructor. 130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20 HONORS SCIENTIFIC RESEARCH AND DESIGN PROJECT BASED RESEARCH IN BOTANY AND STH30372 AB SUSTAINABLE HORTICULTURE AB/H Student project-based research to be conducted working with local outside nonprofit research institutes such as 130372## BRIT (Botanical Research Institute of Texas), Seed to Table, Gardening Guerillas, Urban Planning, and TRA (Trinity <u>Instructional Material:</u> Contact the content director (Science and/or CTE Director) Prerequisites: Successful completion of Biology, Chemistry, and Physics. Successful completion of Algebra II and Pre-Grade level: 11-12 Calculus, or concurrent enrollment in Pre-Calculus. Credit(s): 1.0 What's Next? N/A College Hour(s): NA Students taking the course for science credit should register and participate in the Fort Worth Regional Science and Tier I Engineering Fair. This course has science content and skill equal to AP and Dual Credit courses. Contact the content director (Science and/or CTE Director) based on content credit to be awarded. 130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20 HONORS SCIENTIFIC RESEARCH AND DESIGN SCIENCE TALENT SEARCH - YEAR 1 AB STH03722 AB Regeneron STS is a prestigious science research completion where young scientists present original research to 130372## nationally recognized professional scientists. In year one, students select their original research project and begin their research for entry. Instructional Material: Contact the content executive director (Science) Grade level: 10-12 Prerequisites: Teacher's approval Credit(s): 1.0 What's Next? N/A College Hour(s): NA This course has science content and skill equal to AP and Dual Credit courses. Contact Science and the CTE Director. Tier I 130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20 HONORS SCIENTIFIC RESEARCH AND DESIGN SCIENCE TALENT SEARCH - YEAR 2 AB STH03712 AB Regeneron STS is a prestigious science research completion where young scientists present original research to 130372## nationally recognized professional scientists. In year one, students select their original research project and begin their research for entry. <u>Instructional Material:</u> Contact the content executive director (Science) Grade level: 10-12 Prerequisites: Teacher's approval Credit(s): 1.0 What's Next? N/A College Hour(s): NA Students taking the course for science credit must register and participate in the Fort Worth Regional Science and Tier I Engineering Fair. This course has science content and skill equal to AP and Dual Credit courses. Contact the content director (Science and/or CTE Director) based on content credit to be awarded. 130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20 HONORS SCIENTIFIC RESEARCH AND DESIGN: INTERACTION OF RADIATION WITH MATTER I AB 7709 AB Designed to allow students who have displayed higher levels of science and mathematics mastery to extend their 13037200 skills across several academic disciplines. This course will use skills and concepts learned in biology (e.g. cell theory, molecular interaction), physics (e.g. atomic structure, types of radiation) and various mathematics courses (algebra, calculus). Independent research is a required component of this honors course. <u>Instructional Material:</u> Contact the content director (Science and/or CTE Director) Prerequisites: Successful completion of Biology, Chemistry and Geometry. Successful completion, or concurrently taking, Algebra II or an equivalent course. Concurrent enrollment in AP Physics I or II. Grade level: 11 - 12 What's Next? N/A Credit(s): 1 Teacher must be certified in science for the student to receive the science credit. College Hour(s): NA 130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20 Tier I ANATOMY AND PHYSIOLOGY AB **HS02062 AB** In Anatomy and Physiology, students conduct laboratory and field investigations, use scientific methods during 13020600 investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Instructional Material: TBD Grade level: 11 - 12 Prerequisites: Two (2) units of science (Biology, and Chemistry or Physics), one of which may be taken concurrently. HS Credit(s): 1 Anatomy and Physiology may be taught by any CTE teacher certified in Health Science Technology Education or College Hour(s): NA Vocational Health Occupations with a baccalaureate degree and 18 semester credit hours in any combination of sciences. Tier III HONORS ANATOMY AND PHYSIOLOGY AB **HSH02062 ABH** Students in this honors course will complete a project using the five phases of project management used in the 13020600 business and industry environment. Anatomy and Physiology may be taught by any CTE teacher certified in Health Science Technology Education or Vocational Health Occupations with a baccalaureate degree and 18 semester Grade level: 11 - 12

credit hours in any combination of sciences. It may also be taught by a certified secondary science teacher. 19 TAC Chapter 231	HS Credit(s): 1 College Hour(s): NA
Instructional Material: TBD	Tier II
<u>Prerequisites:</u> Two (2) units of science (Biology, and Chemistry or Physics), one (1) of which may be taken concurrently. Course taught by locally certified gifted CTE teacher.	
DUAL CREDIT ANATOMY AND PHYSIOLOGY A	HSD02062 A
TCC Course: Anatomy and Physiology I (BIOL 2401 and BIOL 2401 Lab)	HSD02002 A
Anatomy and Physiology I is the first part of a two course sequence. It is a study of the structure and function of human body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, nervous and special senses. Emphasis in on the interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. Content may be either integrated or specialized. Laboratory experiments in vertebrate physiology and the dissection of a mammal.	13020600
Instructional Material: NA FWISD Prerequisites: Two (2) units of science (biology, chemistry, physics) one of which may be taken concurrently. TCC Prerequisites: TSI compliant in Writing, Reading, and Mathematics. TCC Co-requisites: BIOL 2401 Lab Early College High School Placement: 10-12 Course taught by an approved adjunct instructor.	Grade level: 10 - 12 HS Credit(s): 0.5 College Hour(s): 4 hours Tier I
DUAL CREDIT ANATOMY AND PHYSIOLOGY B	HSD02062 B
TCC Course: Anatomy and Physiology II (BIOL 2402 and BIOL 2402 Lab) Continuation of BIOL-2401. It is a study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. Instructional Material: NA	13020600
FWISD Prerequisites: Two (2) units of science (biology, chemistry, physics) one of which may be taken concurrently. TCC Prerequisites: TSI compliant in Writing, Reading, and Mathematics. TCC Co-requisites: BIOL 2401 Lab Early College High School Placement: 10-12 Course taught by an approved adjunct instructor.	Grade level: 10 - 12 HS Credit(s): 0.5 College Hour(s): 4 hours Tier I
ENGINEERING DESIGN AND PROBLEM SOLVING AB	ST37302 AB
Various engineering disciplines address a broad spectrum of design problems using specific concepts from the sciences and mathematics to derive a solution. The design process and problem solving are inherent to all engineering disciplines. Engineering Design and Problem Solving reinforces and integrates skills learned in previous mathematics and science courses. This course emphasizes solving problems, moving from well-defined toward more open ended, with real-world application. Students apply critical-thinking skills to justify a solution from multiple design options. Additionally, the course promotes interest in and understanding of career opportunities in engineering. This course is intended to stimulate students' ingenuity, intellectual talents, and practical skills in devising solutions to engineering design problems. Students use the engineering design process cycle to investigate, design, plan, create, and evaluate solutions. At the same time, this course fosters awareness of the social	Grade level: 12 HS Credit(s): 1 College Hour(s): NA
and ethical implications of technological development.	Tier III
Instructional Material: TBD Prerequisites: Two (2) units of science (Biology, and Chemistry or Physics), one (1) of which may be taken concurrently; Geometry and Algebra II. Course taught by a certified secondary science teacher, or any CTE teacher with a baccalaureate degree and 18 semester credit hours in any combination of sciences. 19 TAC Chapter 231. Offered at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Trimble Tech, Western Hills, YMLA, YWLA	
HONORS ENGINEERING DESIGN AND PROBLEM SOLVING AB	STH37302 ABH
In this course, students conduct laboratory and field investigations, use scientific investigations, and make informed decisions using critical thinking and scientific problem solving. In addition to the course requirements of Engineering Design and Problem Solving, the student will produce projects in defined areas of engineering including buoyancy, stress construction and aerodynamics. In this course, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving.	13037300 Grade level: 12 HS Credit(s): 1 College Hour(s): NA Tier II
Instructional Material: Engineering Fundamentals: An Introduction to Engineering, 4th Edition; Cengage Delmar Learning; ISBN: 9781439062081 Prerequisites: Two (2) units of science (Biology, and Chemistry or Physics), one (1) of which may be taken concurrently; Geometry and Algebra II	
Course taught by locally certified gifted CTE teacher, certified secondary science teacher, or any CTE teacher with a baccalaureate degree and 18 semester credit hours in any combination of sciences. 19 TAC Chapter 231.	

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North Side, O.D. Wyatt, Paschal HS, Polytechnic, South Hills, Southwest, Trimble Technical, Western Hills, YMLA, YWLA

MEDICAL MICROBIOLOGY AB	HS02071 AB
Students in Medical Microbiology explore the microbial world, studying topics such as pathogenic and non-	13020700
pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and	
emerging diseases. Pathogenic and nonpathogenic organisms will be identified to assist in the understanding of	
specific diseases, causative agents, and treatment options. Activities will include a variety of lab experiences	Grade level: 11 - 12
designed to build microbiology lab skills and techniques. In this course, students conduct laboratory and field	HS Credit(s): 1
nvestigations, use scientific methods during investigations, and make informed decisions using critical thinking and	College Hour(s): NA
scientific problem solving.	Tier III
nstructional Material: TBD	
Prerequisites: Biology and Chemistry	
This course may be taught by a certified secondary science teacher or any CTE teacher certified in Health Science Technol	
Health Occupations with a baccalaureate degree and 18 semester credit hours in any combination of sciences. 19 TAC (
HONORS MEDICAL MICROBIOLOGY AB	HSH02071 ABH
n addition to the regular course curriculum, students in this honors course will complete a project using the five	13020700
phases of project management used in the business and industry environment or following scientific investigation	
procedures.	
nstructional Material: Microbiology, an Introduction, 6th Edition, Prentice/Hall	
Prerequisites: Biology and Chemistry	Grade level: 11 - 12
Course taught by locally certified gifted CTE teacher This course may be taught by a certified secondary science teacher	HS Credit(s): 1
or any CTE teacher certified in Health Science Technology Education or Vocational Health Occupations with a	College Hour(s): NA
accalaureate degree and 18 semester credit hours in any combination of sciences. 19 TAC Chapter 231.	Tier II
DUAL CREDIT MEDICAL MICROBIOLOGY T	HSD02071 T
CC Course: Microbiology for Non-Science Majors (BIOL 2420 and BIOL 2420 Lab)	
his course covers basic microbiology and immunology and is primarily directed at pre-nursing, pre-allied health,	13020700
and non-science majors. It provides an introduction to historical concepts of the nature of microorganisms,	
nicrobial diversity, the importance of microorganisms and cellular agents in the biosphere, and their roles in human	
and animal diseases. Major topics include bacterial structure as well as growth, physiology, genetics, and	
piochemistry of microorganisms. Emphasis is on medical microbiology, infectious diseases, and public health.	
nstructional Material: NA	Grade level: 11 - 12
WISD Prerequisites: Three (3) units of science (biology, Chemistry, Physics) one of which may be taken concurrently.	HS Credit(s): 0.5
TCC Prerequisites: TSI compliant in Writing, Reading, and Mathematics.	College Hour(s): 4 hours
TCC Co-requisites: BIOL 2420 Lab	Tier I
Early College High School Grade Placement: 11-12	
Course taught by an approved adjunct instructor.	
PATHOPHYSIOLOGY AB	HS20801 AB
n Pathophysiology, students conduct laboratory and field investigations, use scientific methods during	13020800
nvestigations, and make informed decisions using critical thinking and scientific problem solving. Students in	
Pathophysiology study disease processes and how humans are affected. Emphasis is placed on prevention and	Grade level: 11 - 12
reatment of disease. Students will differentiate between normal and abnormal physiology.	HS Credit(s): 1
nstructional Material: Human Disease 4th edition; Cengage Learning; ISBN: 9781285065922	College Hour(s): NA
Prerequisites: Biology and Chemistry; Principles of Health Science	Tier III
Ith year science credit.	
HONORS PATHOPHYSIOLOGY AB	HSH20801 AB
n addition to the regular course curriculum, students in this honors course will complete a project using the five	13020800
phases of project management used in the business and industry environment.	
nstructional Material: Human Disease 4th edition; Cengage Learning; ISBN: 9781285065922	Grade level: 11 - 12
<u>Prerequisites:</u> Biology and Chemistry; Principles of Health Science	HS Credit(s): 1
th year science credit.	College Hour(s): NA
Course taught by locally certified gifted CTE teacher.	Tier II
ADVANCED ÁNIMÁL SCIENCE AB	AG00702 AB
n this course, students conduct laboratory and field investigations, use scientific methods during investigations, and	13000700
nake informed decisions using critical thinking and scientific problem solving. This course examines the	.5000.00
nterrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed	Grade level: 12
o allow for the application of scientific and technological aspects of animal science through field and laboratory	HS Credit(s): 1
experiences. Teacher must be certified in Agriculture and highly qualified or meet HOUSE in science.	College Hour(s): NA
nstructional Material: Contact CTE director	Tier III
Prerequisites: two (2) units of science (Biology, and Chemistry or Physics) one of which may be taken concurrently.	
Prerequisites: two (2) units of science (Biology, and Chemistry or Physics) one of which may be taken concurrently. ivestock Production; Equine Science, or Small Animal Management	
<u>Prerequisites:</u> two (2) units of science (Biology, and Chemistry or Physics) one of which may be taken concurrently. ivestock Production; Equine Science, or Small Animal Management Offered only at: Arlington Heights and Diamond Hill-Jarvis	AGH00702 AR
rerequisites: two (2) units of science (Biology, and Chemistry or Physics) one of which may be taken concurrently. ivestock Production; Equine Science, or Small Animal Management	AGH00702 AB 13000700

In the string of Materials Court of CTF directors	Grade level: 12
<u>Instructional Material:</u> Contact CTE director <u>Prerequisites:</u> two (2) units of science (Biology, and Chemistry or Physics), one of which may be taken concurrently.	HS Credit(s): 1
Livestock Production or Equine Science	College Hour(s): NA
Course taught by locally certified gifted CTE teacher.	Tier II
Offered only at: Arlington Heights and Diamond Hill-Jarvis	
DUAL CREDIT ADVANCED PLANT AND SOIL SCIENCE A	AGD02102 A
TCC Course: Soil Science (AGCR 2418)	
ntroduction to physical, chemical, and biological properties of soils. Topics include the relationship between crops	13002100
and soils, conservation of soil and water resources, and the economic use of fertilizer.	
FWISD Prerequisites: Three (3) units of science, one (1) of which may be taken concurrently.	Grade level: 12
Horticulture Science I and/or Landscape Design and Turf Management	HS Credit(s): 0.5
nstructional Material: NA	College Hour(s): 4 hours
Course taught by an approved adjunct instructor.	Tier I
Offered only at: Marine Creek Collegiate HS	
DUAL CREDIT ADVANCED PLANT AND SOIL SCIENCE B	AGD02102 B
TCC Course: Soil Fertility and Fertilizers (HALT 2318)	
An in-depth study of the chemistry, soil interaction, plant uptake and utilization of essential plant nutrients. Topics nclude deficiency and toxicity symptoms, and the selection application, and characteristics of fertilizer materials.	13002100
WISD Prerequisites: Three (3) units of science, one (1) of which may be taken concurrently.	Grade level: 12
Horticulture Science I and/or Landscape Design and Turf Management	HS Credit(s): 0.5
ICC Recommended Prerequisites: HALT 1301	College Hour(s): 3 hours
Course taught by an approved adjunct instructor.	Tier I
Offered only at: Marine Creek Collegiate HS	
FOOD SCIENCE AB (FOODSC1 AB)	HT23002 AB
n Food Science students conduct laboratory and field investigations, use scientific methods during investigations,	13023000
and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the	
nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of boods for the consuming public. Upon completion of this course, students will be prepared to take the ServSafe	Grade level: 12
Food Safety Certification Exam. The course should be taught in a kitchen laboratory with some industrial equipment	HS Credit(s): 1
to provide the students with real-world experience in commercial foods. CTE teacher should meet HOUSE NCLB	College Hour(s): NA
qualifications or can be science certified.	Tier III
Instructional Material: TBD	-
Prerequisites: Three units of science, including chemistry and biology, and Culinary Arts I or Hospitality Services	
Offered only at: North Side, Paschal, Polytechnic, South Hills, Trimble Tech, and OD Wyatt	
HONORS FOOD SCIENCE AB (FOODSC1 AB/H)	HTH23002 AB
n addition to the regular course curriculum, students in this honors course will complete a project using the five	13023000
phases of project management used in the business and industry environment. CTE teacher should meet HOUSE NCLB qualifications or can be science certified.	
nstructional Material: Principles of Food Science, Goodheart-Willcox, ISBN: 9781605256092	Grade level: 12
Prerequisites: Three units of science, including chemistry and biology, and Culinary Arts I or Hospitality Services	HS Credit(s): 1
Course taught by locally certified gifted CTE teacher	College Hour(s): NA
Offered only at: North Side, Paschal, Polytechnic, South Hills, Trimble Tech, and OD Wyatt	Tier II
ORENSIC SCIENCE AB (FORENSCI AB)	LA29502 AB
Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault,	13029500
abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students	
will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal	C
behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, Students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint	Grade level: 11 - 12
analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for	HS Credit(s): 1 College Hour(s): NA
orensic science.	Tier III
nstructional Material: TBD	
Prerequisites: Two (2) units of science (Biology, and Chemistry or Physics) one of which may be taken concurrently.	
Teacher should be certified in any of the following: Health Science Technology, T & I/Law Enforcement, or secondary scien	псе.
HONORS FORENSIC SCIENCE AB (FORENSCI AB/H)	LAH29502 AB
n addition to the regular course curriculum, students in this honors course will complete a project using the five	13029500
phases of project management used in the business and industry environment.	
nstructional Material: TBD	Grade level: 11 - 12
	HS Credit(s): 1
<u>Prerequisites:</u> Two (2) units of science (Biology, and Chemistry or Physics) one of which may be taken concurrently.	113 Cledit(s). 1
Prerequisites: Two (2) units of science (Biology, and Chemistry or Physics) one of which may be taken concurrently. Course taught by locally certified gifted CTE teacher. Teacher should be certified in any of the following: Health Science Technology, T & I/Law Enforcement, or secondary science.	College Hour(s): NA Tier II

FOUNDATION PLANS

SOCIAL STUDIES GRADUATION REQUIREMENTS

ALL STUDENTS ARE REQUIRED to pass US History EOC

All Foundation Plans (22 & 26 credits) Require 4 Social Studies credits

Four credits must consist of:

3 credits of the following:

- World Geography
 OR AP Human Geography
 OR Dual Credit World Geography
- U.S. History Since 1877
 OR AP U.S. History
 OR Dual Credit U.S. History
 OR OnRamps U.S. History
- U.S. Government (.5 credit)
 OR AP U.S. Government (.5 credit)
 OR Dual Credit U.S. Government (.5 credit)
- Economics (.5 credit)
 OR Personal Financial Literacy and Economics (.5 credit)
 OR AP Macroeconomics (.5 credit)
 OR AP Microeconomics (.5 credit)
 OR Dual Credit Economics (.5 credit)

1 credit selected from the following:

- World History
 OR AP Modern World History
 OR Dual Credit World History
- Ethnic Studies course pairing
 African-American Studies (.5 credit)

 AND
 STSS: Latino/a Studies (.5 credit)

Possible Endorsement Opportunities:

- Multidisciplinary
- Arts & Humanities

Social Studies, Government, and Economics

Social Studies & Economics Recommended Course Sequence and Testing Guide

	Traditiona	I	Honors		Advanced Placement (AF Dual Credit (DC)	P) /
6th	Gr 6 Social Studies:	None	Honors Gr 6 Social Studies: 0325	None	Honors Gr 6 Social Studies: 0325	None
7th	Gr 7 Social Studies:	None	Honors Gr 7 Social Studies: 0327	None	Honors Gr 7 Social Studies: 0327	None
8th	Gr 8 Social Studies:	STAAR Gr 8	Honors Gr 8 Social Studies: 0329	STAAR Gr 8	Honors Gr 8 Social Studies: 0329	STAAR Gr 8
9th	World Geography: 8011	None	Honors World Geography: 8009	None	AP Human Geog: 8003 or DC World Geog: 8006	PSAT AP Exam
10th	World History: 8033 or Ethnic Studies: 8041T & 8045T	PSAT	Honors World History: 8035 or Ethnic Studies: 8041T & 8045T	PSAT	AP Modern World Hist: 8037 or DC World Hist: 8034	PSAT SAT AP Exam
11th	US History Since 1877: 8056 SS Electives	PSAT SAT US Hist EOC	Honors US History Since 1877: 8066 AP/DC SS Electives	SAT US Hist EOC	AP US Hist: 8215 or DC US Hist: 8042 or OnRamps US History: 8049 AP/DC SS Electives	SAT US Hist EOC AP Exam
12th	US Gov & Econ or PFLECO: 8076T & 8096T or 8148T SS Electives	PSAT SAT	US Gov & Econ or PFLECO: 8076T & 8096T or 8148T AP/DC SS Electives	SAT	AP US Gov & AP Econ: 8135T & 8098T or DC US Gov & DC Econ: 8079T & 8094T AP/DC SS Electives	Exams vary by course

PERSONAL FINANCIAL LITERACY AND ECONOMICS T	8148T
This course emphasizes the economic way of thinking, which serves as a framework for the personal financial	03380083
decision-making opportunities introduced in the course. Students will demonstrate the ability to anticipate and	
address financial challenges as these challenges occur over their lifetime. In addition, students are introduced to	
common economic and personal financial planning terms and concepts. As a result of learning objective concepts	Grade level: 11 – 12
and integrating subjective information, students gain the ability to lead productive and financially self-sufficient	Credit(s): 0.5
lives. Approximately two-thirds of instructional time is dedicated to personal financial literacy and one-third to	College Hour(s): NA
economics content. This is distinct from ECOFE (8096T) where approximately one-third of instructional time is	Tier III
dedicated to personal financial literacy and two-thirds to economics content. This course satisfies the Economics	
high school graduation requirement.	

<u>Instructional Material:</u> *Instructional materials scheduled for adoption as part of Proclamation 2024.* Contact the Social Studies department for the most up to date information.

<u>Prerequisites:</u> District Recommendation: World Geography Studies, World History Studies, and US History

<u>What's Next?</u> Government if Personal Financial Literacy and Economics taken first; and any elective social studies course that can be applied toward a humanities endorsement. Due to redundant TEKS, students cannot receive credit in both Economics and Personal Financial Literacy (8148T) and Personal Financial Literacy (8145T).

WORLD GEOGRAPHY STUDIES AB	8011 AB
SHELTERED WORLD GEOGRAPHY STUDIES AB – NP	8008 AB
SHELTERED WORLD GEOGRAPHY STUDIES AB	8010 AB
WORLD GEOGRAPHY STUDIES AB	80115 AB
This course is a comprehensive examination of people, places, and environments at local, regional, national, and	03320100
international scales from the spatial and ecological perspectives of geography. A significant portion of this course	05520.00
centers around the physical processes that shape, patterns in the physical environment; the characteristics of major	Grade level: 9 – 12
land forms, climates and ecosystems and their interrelationships; the political, economic, and social processes that	Credit(s): 1
shape cultural patterns of regions; and the distribution and movement of world population. This course meets the	College Hour(s): NA
state recommended graduation requirement.	Tier III
Instructional Material: 1402 – Texas World Geography, McGraw-Hill, 2014, ISBN: 0021380996	
Prerequisites: None	
What's Next? AP or Honors or World History Studies or Dual Credit World History Studies	
All Newcomer Program teachers must be content and ESL certified. HONORS WORLD GEOGRAPHY STUDIES AB	8009 AB
SHELTERED HONORS WORLD GEOGRAPHY STUDIES AB	8024 AB
Description of course: Honors World Geography will present the student with a general understanding of cultural	03320100
geography, physical geography, and human geography while preparing the student for AP modern world history	03320100
by incorporating AP skills and habits of mind as well as some geography-driven content. This course meets the	Grade level: 9
state recommended graduation requirement.	Credit(s): 1
Instructional Material: 1402 – Texas World Geography, McGraw-Hill, 2014, ISBN: 0021380996	College Hour(s): NA
Prerequisites: Student interest	Tier II
What's Next? AP or Honors or World History Studies or Dual Credit World History Studies	
DUAL CREDIT WORLD GEOGRAPHY STUDIES A	8006 A
TCC Course: Physical Geography (GEOG 1301)	
This course introduces students to the processes that drive Earth's physical systems. Students will explore the	03320100
relationships among these physical systems, with emphasis on weather and climate, water, ecosystems, geologic	
processes and landform development, and human interactions with the physical environment.	Grade level: N/A
Instructional Material: TCC Course: Physical Geography (GEOG 1301)	Credit(s): 0.5
Prerequisites: None	College Hour(s): 3 hours
Early College High School Grade Placement 9-12. Course taught by an approved adjunct instructor.	Tier I
Combined with GEOG 1302, this course meets the one-year world geography social studies graduation requirement.	
DUAL CREDIT WORLD GEOGRAPHY STUDIES B	8006 B
DUAL CREDIT WORLD GEOGRAPHY STUDIES B	8006 B
	8006 B 03320100
DUAL CREDIT WORLD GEOGRAPHY STUDIES B TCC Course: Geography (GEOG 1302) This course introduces students to fundamentals concepts, skills, and practices of human geography. Place, space, and scale serve as a framework for understanding patterns of human experience. Topics for discussion may	
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DUAL CREDIT WORLD GEOGRAPHY STUDIES B TCC Course: Geography (GEOG 1302) This course introduces students to fundamentals concepts, skills, and practices of human geography. Place, space, and scale serve as a framework for understanding patterns of human experience. Topics for discussion may include globalization, population and migration, culture, diffusion, political and economic systems, language, religion, gender, and ethnicity. Instructional Material: TCC Course: Human Geography (GEOG 1302) Prerequisites: Dual Credit World Geography Studies A Early College High School Grade Placement 9-12. Course taught by an approved adjunct instructor. Combined with GEOG 1301, this course meets the one-year world geography social studies graduation requirement. AP HUMAN GEOGRAPHY AB AP Human Geography introduces students to the rigorous and systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ special concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about methods and tools geographers use in their science and practice. Prepares students to perform successfully on the AP Human Geography examination. Instructional Material: Human Geography: People, Place, and Culture 10th edition, John Wiley and Sons Peoples Publishing Group, ISBN: 9781118018699 Prerequisites: Met standard on Grade 8 Social Studies STAAR; and student interest What's Next? AP or Honors or World History Studies or Dual Credit World History Studies Successful completion of this course substitutes for World Geography as a graduation requirement. Elective credit cannot be awarded for 8003 AB. Students seeking elective credit for APHG should enroll in 8005T. AP HUMAN GEOGRAPHY T AP Human Geography introduces students to the rigorous and systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ special concepts and lands	O3320100 Grade level: N/A Credit(s): 0.5 College Hour(s): 3 hours Tier I 8003 AB A3360100 Grade level: 9 – 10 Credit(s): 1 College Hour(s): NA Tier I
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TCC Course: Geography (GEOG 1302) This course introduces students to fundamentals concepts, skills, and practices of human geography. Place, space, and scale serve as a framework for understanding patterns of human experience. Topics for discussion may include globalization, population and migration, culture, diffusion, political and economic systems, language, religion, gender, and ethnicity. Instructional Material: TCC Course: Human Geography (GEOG 1302) Prerequisites; Dual Credit World Geography Studies A Early College High School Grade Placement 9-12. Course taught by an approved adjunct instructor. Combined with GEOG 1301, this course meets the one-year world geography social studies graduation requirement. AP HUMAN GEOGRAPHY AB AP Human Geography introduces students to the rigorous and systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ special concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about methods and tools geographers use in their science and practice. Prepares students to perform successfully on the AP Human Geography examination. Instructional Material; Human Geography: People, Place, and Culture 10th edition, John Wiley and Sons Peoples Publishing Group, ISBN: 9781118018699 Prerequisites; Met standard on Grade 8 Social Studies STAAR; and student interest What's Next? AP or Honors or World History Studies or Dual Credit World History Studies Successful completion of this course substitutes for World Geography as a graduation requirement. Elective credit cannot be awarded for 8003 AB. Students seeking elective credit for APHG should enroll in 8005T. AP HUMAN GEOGRAPHY T AP Human Geography introduces students to the rigorous and systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ special concepts and landscape analysis to examine human	03320100 Grade level: N/A Credit(s): 0.5 College Hour(s): 3 hours Tier I 8003 AB A3360100 Grade level: 9 – 10 Credit(s): 1 College Hour(s): NA Tier I 8005 T A3360100

World History or AP Modern World History; completion of (or taken concurrently) US History Studies or Honors or	Tier I
AP US History Studies; student interest What's Next? Any elective social studies course that can be applied toward a humanities endorsement	
8005T is a .5 credit elective course. Students who successfully completed AP Human Geography AB are not eligible to	
enroll in this course.	
WORLD HISTORY STUDIES AB	8033 AB
SHELTERED WORLD HISTORY STUDIES AB – NP	8027 AB
SHELTERED WORLD HISTORY STUDIES AB	8029 AB
WORLD HISTORY STUDIES AB	80335 AB
Examines human history with emphasis on early civilizations (non-western), Western, and other regions. Focuses on	03340400
cultural experiences as related to history, literature, art, music, and philosophy. Students compare and analyze ways	03340405 (SPEC ED)
of life and cultural patterns that reflect the diversity and commonality of human experiences and develop an	
understanding of how these patterns occur.	Grade level: 9 – 12
nstructional Material: 1411 – Texas World History, McGraw-Hill, 2014, ISBN: 007660604X	Credit(s): 1
Prerequisites: District Recommendation: World Geography Studies or Honors World Geography Studies; and	College Hour(s): NA
student interest.	Tier III
<u>What's Next?</u> AP or Honors or United States History Studies or Dual Credit United States History	
All Newcomer Program teachers must be content and ESL certified.	
HONORS WORLD HISTORY STUDIES AB	8035 AB
SHELTERED HONORS WORLD HISTORY STUDIES AB	8032 AB
examines human history with emphasis on early civilizations (non-western), Western, and other regions. Focuses on	03340400
cultural experiences as related to history, literature, art, music, and philosophy. Students compare and analyze ways	
of life and cultural patterns that reflect the diversity and commonality of human experiences and develop an	
understanding of how these patterns occur. Problem-solving skills are also emphasized. This course builds the	
oundation for successful participation in AP coursework.	
nstructional Material: 1411 – Texas World History, McGraw-Hill, 2014, ISBN: 007660604X	Grade level: 9 – 12
Prerequisites: District Recommendation: Honors World Geography Studies or World Geography Studies; and	Credit(s): 1
student interest	College Hour(s): NA
What's Next? AP or Honors or United States History Studies or Dual Credit United States History	Tier II
This course meets the one-year world history social studies graduation requirement.	0024.4
DUAL CREDIT WORLD HISTORY STUDIES A	8034 A
TCC Course: World Civilization I (HIST 2321)	
TWU Course: World History to 1648 (HIS 2301)	02240400
A survey of the social, political, economic, cultural, religious, and intellectual history of the world from the emergence of human cultures through the 15th century. Examines major cultural regions of the world in Africa, the	03340400
Americas, Asia, Europe, and Oceania and their global interactions over time. Themes include the emergence of	
early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy,	
early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction	
early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange.	Grade level: N/A
early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange. Instructional Material: TCC Course: World Civilization I (HIST 2321)	Grade level: N/A Credit(s): 0.5
early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange. Instructional Material: TCC Course: World Civilization I (HIST 2321) FWISD Prerequisites: None	Grade level: N/A Credit(s): 0.5 College Hour(s): 3 hours
early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange. Instructional Material: TCC Course: World Civilization I (HIST 2321) FWISD Prerequisites: None TCC Prerequisites: Early College High School Grade Placement 9-12	Credit(s): 0.5
early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange. Instructional Material: TCC Course: World Civilization I (HIST 2321) FWISD Prerequisites: None ICC Prerequisites: Early College High School Grade Placement 9-12 TWU Prerequisites: Only offered at Dunbar	Credit(s): 0.5 College Hour(s): 3 hours
early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange. Instructional Material: TCC Course: World Civilization I (HIST 2321) FWISD Prerequisites: None ICC Prerequisites: Early College High School Grade Placement 9-12 IWU Prerequisites: Only offered at Dunbar Course taught by an approved adjunct instructor.	Credit(s): 0.5 College Hour(s): 3 hours
early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange. Instructional Material: TCC Course: World Civilization I (HIST 2321) FWISD Prerequisites: None	Credit(s): 0.5 College Hour(s): 3 hours
early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange. Instructional Material: TCC Course: World Civilization I (HIST 2321) FWISD Prerequisites: None TCC Prerequisites: Early College High School Grade Placement 9-12 TWU Prerequisites: Only offered at Dunbar Course taught by an approved adjunct instructor. Combined with HIST 2322, this course meets the one-year world history social studies graduation requirement. DUAL CREDIT WORLD HISTORY STUDIES B	Credit(s): 0.5 College Hour(s): 3 hours Tier I
early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange. Instructional Material: TCC Course: World Civilization I (HIST 2321) WISD Prerequisites: None ICC Prerequisites: Early College High School Grade Placement 9-12 WU Prerequisites: Only offered at Dunbar Course taught by an approved adjunct instructor. Combined with HIST 2322, this course meets the one-year world history social studies graduation requirement. DUAL CREDIT WORLD HISTORY STUDIES B ICC Course: World Civilization II (HIST 2322)	Credit(s): 0.5 College Hour(s): 3 hours Tier I
early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange. Instructional Material: TCC Course: World Civilization I (HIST 2321) WISD Prerequisites: None ICC Prerequisites: Early College High School Grade Placement 9-12 WU Prerequisites: Only offered at Dunbar Course taught by an approved adjunct instructor. Combined with HIST 2322, this course meets the one-year world history social studies graduation requirement. DUAL CREDIT WORLD HISTORY STUDIES B ICC Course: World Civilization II (HIST 2322) IWU Course: World History since 1648 (HIS 2303)	Credit(s): 0.5 College Hour(s): 3 hours Tier I 8034 B
early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange. Instructional Material: TCC Course: World Civilization I (HIST 2321) WISD Prerequisites: None ICC Prerequisites: Early College High School Grade Placement 9-12 WU Prerequisites: Only offered at Dunbar Course taught by an approved adjunct instructor. Combined with HIST 2322, this course meets the one-year world history social studies graduation requirement. DUAL CREDIT WORLD HISTORY STUDIES B ICC Course: World Civilization II (HIST 2322) IWU Course: World History since 1648 (HIS 2303) A survey of the social, political, economic, cultural, religious, and intellectual history of the world from the 15th	Credit(s): 0.5 College Hour(s): 3 hours Tier I
parely societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange. Instructional Material: TCC Course: World Civilization I (HIST 2321) WISD Prerequisites: None ICC Prerequisites: Carly College High School Grade Placement 9-12 WU Prerequisites: Only offered at Dunbar Course taught by an approved adjunct instructor. Combined with HIST 2322, this course meets the one-year world history social studies graduation requirement. DUAL CREDIT WORLD HISTORY STUDIES B ICC Course: World Civilization II (HIST 2322) IWU Course: World History since 1648 (HIS 2303) A survey of the social, political, economic, cultural, religious, and intellectual history of the world from the 15th century to the present. Examines major cultural regions of the world in Africa, the Americas, Asia, Europe, and	Credit(s): 0.5 College Hour(s): 3 hours Tier I 8034 B
pearly societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange. Instructional Material: TCC Course: World Civilization I (HIST 2321) WISD Prerequisites: None ICC Prerequisites: Only offered at Dunbar Course taught by an approved adjunct instructor. Combined with HIST 2322, this course meets the one-year world history social studies graduation requirement. DUAL CREDIT WORLD HISTORY STUDIES B ICC Course: World Civilization II (HIST 2322) IWU Course: World History since 1648 (HIS 2303) A survey of the social, political, economic, cultural, religious, and intellectual history of the world from the 15th century to the present. Examines major cultural regions of the world in Africa, the Americas, Asia, Europe, and Oceania and their global interactions over time. Themes include maritime exploration and transoceanic empires,	Credit(s): 0.5 College Hour(s): 3 hours Tier I 8034 B
pearly societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange. Instructional Material: TCC Course: World Civilization I (HIST 2321) WISD Prerequisites: None ICC Prerequisites: Only offered at Dunbar Course taught by an approved adjunct instructor. Combined with HIST 2322, this course meets the one-year world history social studies graduation requirement. DUAL CREDIT WORLD HISTORY STUDIES B ICC Course: World Civilization II (HIST 2322) IWU Course: World History since 1648 (HIS 2303) A survey of the social, political, economic, cultural, religious, and intellectual history of the world from the 15th century to the present. Examines major cultural regions of the world in Africa, the Americas, Asia, Europe, and Oceania and their global interactions over time. Themes include maritime exploration and transoceanic empires, nation/state formation and industrialization, imperialism, global conflicts and resolutions, and global economic	Credit(s): 0.5 College Hour(s): 3 hours Tier I 8034 B
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early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange. Instructional Material: TCC Course: World Civilization I (HIST 2321) EWISD Prerequisites: None ICC Prerequisites: Early College High School Grade Placement 9-12 EWU Prerequisites: Only offered at Dunbar Course taught by an approved adjunct instructor. Combined with HIST 2322, this course meets the one-year world history social studies graduation requirement. DUAL CREDIT WORLD HISTORY STUDIES B ICC Course: World Civilization II (HIST 2322) IWU Course: World History since 1648 (HIS 2303) A survey of the social, political, economic, cultural, religious, and intellectual history of the world from the 15th century to the present. Examines major cultural regions of the world in Africa, the Americas, Asia, Europe, and Decania and their global interactions over time. Themes include maritime exploration and transoceanic empires, nation/state formation and industrialization, imperialism, global conflicts and resolutions, and global economic integration. The course emphasizes the development, interaction and impact of global exchange. Instructional Material: TCC Course: World Civilization II (HIST 2322)	Credit(s): 0.5 College Hour(s): 3 hours Tier I 8034 B 03340400 Grade level: N/A
early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange. Instructional Material: TCC Course: World Civilization I (HIST 2321) WISD Prerequisites: None ICC Prerequisites: Early College High School Grade Placement 9-12 WU Prerequisites: Only offered at Dunbar Course taught by an approved adjunct instructor. Combined with HIST 2322, this course meets the one-year world history social studies graduation requirement. DUAL CREDIT WORLD HISTORY STUDIES B ICC Course: World Civilization II (HIST 2322) IWU Course: World History since 1648 (HIS 2303) A survey of the social, political, economic, cultural, religious, and intellectual history of the world from the 15th century to the present. Examines major cultural regions of the world in Africa, the Americas, Asia, Europe, and Decania and their global interactions over time. Themes include maritime exploration and transoceanic empires, nation/state formation and industrialization, imperialism, global conflicts and resolutions, and global economic integration. The course emphasizes the development, interaction and impact of global exchange. Instructional Material: TCC Course: World Civilization II (HIST 2322) EWISD Prerequisites: Dual Credit World History Studies A	Credit(s): 0.5 College Hour(s): 3 hours Tier I 8034 B 03340400 Grade level: N/A Credit(s): 0.5
early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange. Instructional Material: TCC Course: World Civilization I (HIST 2321) WISD Prerequisites: None ICC Prerequisites: Early College High School Grade Placement 9-12 WU Prerequisites: Only offered at Dunbar Course taught by an approved adjunct instructor. Combined with HIST 2322, this course meets the one-year world history social studies graduation requirement. DUAL CREDIT WORLD HISTORY STUDIES B ICC Course: World Civilization II (HIST 2322) IWU Course: World History since 1648 (HIS 2303) A survey of the social, political, economic, cultural, religious, and intellectual history of the world from the 15th century to the present. Examines major cultural regions of the world in Africa, the Americas, Asia, Europe, and Oceania and their global interactions over time. Themes include maritime exploration and transoceanic empires, nation/state formation and industrialization, imperialism, global conflicts and resolutions, and global economic integration. The course emphasizes the development, interaction and impact of global exchange. Instructional Material: TCC Course: World Civilization II (HIST 2322) WISD Prerequisites: Dual Credit World History Studies A ICC Prerequisites: Early College High School Grade Placement 9-12	Credit(s): 0.5 College Hour(s): 3 hours Tier I 8034 B 03340400 Grade level: N/A
early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The course emphasizes the development, interaction and impact of global exchange. Instructional Material: TCC Course: World Civilization I (HIST 2321) EWISD Prerequisites: None ICC Prerequisites: Only offered at Dunbar Course taught by an approved adjunct instructor. Combined with HIST 2322, this course meets the one-year world history social studies graduation requirement. DUAL CREDIT WORLD HISTORY STUDIES B ICC Course: World Civilization II (HIST 2322) TWU Course: World History since 1648 (HIS 2303) A survey of the social, political, economic, cultural, religious, and intellectual history of the world from the 15th century to the present. Examines major cultural regions of the world in Africa, the Americas, Asia, Europe, and Oceania and their global interactions over time. Themes include maritime exploration and transoceanic empires, nation/state formation and industrialization, imperialism, global conflicts and resolutions, and global economic	Credit(s): 0.5 College Hour(s): 3 hours Tier I 8034 B 03340400 Grade level: N/A Credit(s): 0.5

AP MODERN WORLD HISTORY AB	8037 AB
Formerly titled "AP World History," this course presents a comprehensive history of the world required to meet the	A3370100
state's World History Studies graduation requirement, while giving particular emphasis to College Board's AP	
Modern World History timespan (1200 CE to present). This comprehensive experience allows students to view	
istory in a global and integrated way and affords them the opportunity to gain a Distinguished Achievement	
neasure as well as college credit by successful completion of the associated AP exam in May. Major facets of the	
purse include the impact of interaction among major societies, relationship of change and continuity, impact of	
echnology and demography on people and the environment, systems of social structure and gender structure,	
ultural and intellectual developments and interactions, and changes in functions and structures of states, and in	
titudes toward states and political identities, including the rise of the nation-state.	
nstructional Material: 411- Stearns World Civilizations: The Global Experience 7th AP Ed with My History Lab,	Grade level: 9 – 12
earson, 2015, ISBN: 9780133447705	Credit(s): 1
rerequisites: District Recommendations: AP Human Geography AB or Honors World Geography Studies or World	College Hour(s): NA
ieography Studies; and student interest	Tier I
<u>Vhat's Next?</u> AP or Honors or United States History Studies or Dual Credit United States History	
his course meets the one-year world history social studies graduation requirement.	
JNITED STATES HISTORY STUDIES SINCE 1877 AB	8056 AB
HELTERED UNITED STATES HISTORY STUDIES SINCE 1877 AB – NP	8050 AB
HELTERED UNITED STATES HISTORY STUDIES SINCE 1877 AB	8052 AB
JNITED STATES HISTORY STUDIES SINCE 1877 AB	80565 AB
tudents study the history of the United States since Reconstruction to the present. Content focuses on the	03340100
political, economic, and social events and issues related to policies of the Cold War and post-Cold War eras; and	03340105 (SPEC ED)
eform movements including civil rights. Students examine the impact of geographic factors on major events;	
nalyze causes and effects of the Great Depression and examine the dynamic relationship of the three branches of	
he federal government. Students will be required to take the U.S. History End of Course (EOC) exam in this course.	
nstructional Material: 1422 – Texas U.S. History, McGraw-Hill, 2015, ISBN: 0076608581	Grade level: 9 - 12
rerequisites: District Recommendation: World Geography and World History	Credit(s): 1
<u>Vhat's Next?</u> AP or Government, Economics, or Dual Credit Government, Economics, and any elective social studies	College Hour(s): NA
ourse that can be applied toward a humanities endorsement.	Tier III
itudents will take the US History EOC.	
All Newcomer Program teachers must be content and ESL certified.	
HONORS UNITED STATES HISTORY STUDIES SINCE 1877 AB	8066 AB
SHELTERED HONORS UNITED STATES HISTORY STUDIES SINCE 1877 AB	8068 AB
Honors United States History extends the study of United States History to involve a chronological history from	03340100
1877 to present. To support the teaching a variety of rich primary and secondary source material is used so that	
students are studying and learning history as historians.	
nstructional Material: 1422 – Texas U.S. History, McGraw-Hill, 2015, ISBN: 0076608581	Grade level: 9 – 12
<u>Prerequisites:</u> District Recommendation: Honors World Geography Studies or World Geography Studies; AP or	Credit(s): 1
Honors or Dual Credit World History; and student interest	College Hour(s): NA
<u>What's Next?</u> AP or Government, Economics, or Dual Credit Government, Economics; and any elective social studies	Tier II
course that can be applied toward a humanities endorsement	1161 11
Students will take the US History EOC.	
•	0245 AB
AP UNITED STATES HISTORY AB	8215 AB
	A3340100
present. Uses college-level material and parallel historic readings to provide the student's information and skills	
present. Uses college-level material and parallel historic readings to provide the student's information and skills hat will enable them to perform successfully on the advanced placement test and/or in their college history	
present. Uses college-level material and parallel historic readings to provide the student's information and skills that will enable them to perform successfully on the advanced placement test and/or in their college history	
oresent. Uses college-level material and parallel historic readings to provide the student's information and skills that will enable them to perform successfully on the advanced placement test and/or in their college history lasses. This course may be used to meet either the course requirement for U.S. History or state graduation or elective course requirements.	
oresent. Uses college-level material and parallel historic readings to provide the student's information and skills hat will enable them to perform successfully on the advanced placement test and/or in their college history classes. This course may be used to meet either the course requirement for U.S. History or state graduation or elective course requirements. Instructional Material: 9488 – Give Me Liberty! An American History, 3e AP edition, W.W. Norton & Company, 2014,	Grade level: 10 – 12
oresent. Uses college-level material and parallel historic readings to provide the student's information and skills that will enable them to perform successfully on the advanced placement test and/or in their college history lasses. This course may be used to meet either the course requirement for U.S. History or state graduation or elective course requirements. Instructional Material: 9488 – Give Me Liberty! An American History, 3e AP edition, W.W. Norton & Company, 2014, 58N: 9780393282788	Credit(s): 1
bresent. Uses college-level material and parallel historic readings to provide the student's information and skills that will enable them to perform successfully on the advanced placement test and/or in their college history lasses. This course may be used to meet either the course requirement for U.S. History or state graduation or lective course requirements. Instructional Material: 9488 – Give Me Liberty! An American History, 3e AP edition, W.W. Norton & Company, 2014, 55BN: 9780393282788 Interequisites: District Recommendation: AP Human Geography AB or Honors World Geography Studies or World	
oresent. Uses college-level material and parallel historic readings to provide the student's information and skills that will enable them to perform successfully on the advanced placement test and/or in their college history classes. This course may be used to meet either the course requirement for U.S. History or state graduation or elective course requirements. Instructional Material: 9488 – Give Me Liberty! An American History, 3e AP edition, W.W. Norton & Company, 2014, 58N: 9780393282788 Perequisites: District Recommendation: AP Human Geography AB or Honors World Geography Studies or World	Credit(s): 1
present. Uses college-level material and parallel historic readings to provide the student's information and skills that will enable them to perform successfully on the advanced placement test and/or in their college history lasses. This course may be used to meet either the course requirement for U.S. History or state graduation or lective course requirements. Instructional Material: 9488 – Give Me Liberty! An American History, 3e AP edition, W.W. Norton & Company, 2014, 58N: 9780393282788 Irrerequisites: District Recommendation: AP Human Geography AB or Honors World Geography Studies or World Geography Studies; AP or Honors or Dual Credit World History; and student interest What's Next? AP or Government, Economics, or Dual Credit Government, Economics; and any elective social studies	Credit(s): 1 College Hour(s): NA
present. Uses college-level material and parallel historic readings to provide the student's information and skills that will enable them to perform successfully on the advanced placement test and/or in their college history lasses. This course may be used to meet either the course requirement for U.S. History or state graduation or elective course requirements. Instructional Material: 9488 – Give Me Liberty! An American History, 3e AP edition, W.W. Norton & Company, 2014, 58N: 9780393282788 Pererequisites: District Recommendation: AP Human Geography AB or Honors World Geography Studies or World Geography Studies; AP or Honors or Dual Credit World History; and student interest What's Next? AP or Government, Economics, or Dual Credit Government, Economics; and any elective social studies	Credit(s): 1 College Hour(s): NA
present. Uses college-level material and parallel historic readings to provide the student's information and skills that will enable them to perform successfully on the advanced placement test and/or in their college history lasses. This course may be used to meet either the course requirement for U.S. History or state graduation or elective course requirements. Instructional Material: 9488 – Give Me Liberty! An American History, 3e AP edition, W.W. Norton & Company, 2014, 188N: 9780393282788 Irrequisites: District Recommendation: AP Human Geography AB or Honors World Geography Studies or World Geography Studies; AP or Honors or Dual Credit World History; and student interest What's Next? AP or Government, Economics, or Dual Credit Government, Economics; and any elective social studies ourse that can be applied toward a humanities endorsement	Credit(s): 1 College Hour(s): NA
oresent. Uses college-level material and parallel historic readings to provide the student's information and skills that will enable them to perform successfully on the advanced placement test and/or in their college history classes. This course may be used to meet either the course requirement for U.S. History or state graduation or elective course requirements. Instructional Material: 9488 – Give Me Liberty! An American History, 3e AP edition, W.W. Norton & Company, 2014, 58N: 9780393282788 Pererequisites: District Recommendation: AP Human Geography AB or Honors World Geography Studies or World Geography Studies; AP or Honors or Dual Credit World History; and student interest What's Next? AP or Government, Economics, or Dual Credit Government, Economics; and any elective social studies course that can be applied toward a humanities endorsement of students are using this course as a substitution for regular or Honors US History, they will take the US History EOC.	Credit(s): 1 College Hour(s): NA
oresent. Uses college-level material and parallel historic readings to provide the student's information and skills that will enable them to perform successfully on the advanced placement test and/or in their college history classes. This course may be used to meet either the course requirement for U.S. History or state graduation or elective course requirements. Instructional Material: 9488 – Give Me Liberty! An American History, 3e AP edition, W.W. Norton & Company, 2014, 58N: 9780393282788 Pererequisites: District Recommendation: AP Human Geography AB or Honors World Geography Studies or World Geography Studies; AP or Honors or Dual Credit World History; and student interest What's Next? AP or Government, Economics, or Dual Credit Government, Economics; and any elective social studies course that can be applied toward a humanities endorsement of students are using this course as a substitution for regular or Honors US History, they will take the US History EOC.	Credit(s): 1 College Hour(s): NA Tier I
oresent. Uses college-level material and parallel historic readings to provide the student's information and skills that will enable them to perform successfully on the advanced placement test and/or in their college history classes. This course may be used to meet either the course requirement for U.S. History or state graduation or elective course requirements. Instructional Material: 9488 – Give Me Liberty! An American History, 3e AP edition, W.W. Norton & Company, 2014, SBN: 9780393282788 Pererequisites: District Recommendation: AP Human Geography AB or Honors World Geography Studies or World Geography Studies; AP or Honors or Dual Credit World History; and student interest What's Next? AP or Government, Economics, or Dual Credit Government, Economics; and any elective social studies course that can be applied toward a humanities endorsement of students are using this course as a substitution for regular or Honors US History, they will take the US History EOC. DUAL CREDIT UNITED STATES HISTORY SINCE 1877 A FCC Course: United States History I to 1876 (HIST 1301)	Credit(s): 1 College Hour(s): NA Tier I
oresent. Uses college-level material and parallel historic readings to provide the student's information and skills that will enable them to perform successfully on the advanced placement test and/or in their college history classes. This course may be used to meet either the course requirement for U.S. History or state graduation or elective course requirements. Instructional Material: 9488 – Give Me Liberty! An American History, 3e AP edition, W.W. Norton & Company, 2014, SBN: 9780393282788 Pererequisites: District Recommendation: AP Human Geography AB or Honors World Geography Studies or World Geography Studies; AP or Honors or Dual Credit World History; and student interest What's Next? AP or Government, Economics, or Dual Credit Government, Economics; and any elective social studies course that can be applied toward a humanities endorsement of students are using this course as a substitution for regular or Honors US History, they will take the US History EOC. DUAL CREDIT UNITED STATES HISTORY SINCE 1877 A TCC Course: United States History I to 1876 (HIST 1301) TWU Course: Early American History HIS 2321	Credit(s): 1 College Hour(s): NA Tier I
Extends the study of United States history to involve the full sweep of chronological history from discovery to present. Uses college-level material and parallel historic readings to provide the student's information and skills that will enable them to perform successfully on the advanced placement test and/or in their college history classes. This course may be used to meet either the course requirement for U.S. History or state graduation or elective course requirements. Instructional Material: 9488 – Give Me Liberty! An American History, 3e AP edition, W.W. Norton & Company, 2014, SBN: 9780393282788 Prerequisites: District Recommendation: AP Human Geography AB or Honors World Geography Studies or World Geography Studies; AP or Honors or Dual Credit World History; and student interest What's Next? AP or Government, Economics, or Dual Credit Government, Economics; and any elective social studies course that can be applied toward a humanities endorsement of students are using this course as a substitution for regular or Honors US History, they will take the US History EOC. DUAL CREDIT UNITED STATES HISTORY SINCE 1877 A TCC Course: United States History I to 1876 (HIST 1301) TWU Course: Early American History HIS 2321 A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-	Credit(s): 1 College Hour(s): NA Tier I
present. Uses college-level material and parallel historic readings to provide the student's information and skills that will enable them to perform successfully on the advanced placement test and/or in their college history classes. This course may be used to meet either the course requirement for U.S. History or state graduation or elective course requirements. Instructional Material: 9488 – Give Me Liberty! An American History, 3e AP edition, W.W. Norton & Company, 2014, 58N: 9780393282788 Prerequisites: District Recommendation: AP Human Geography AB or Honors World Geography Studies or World Geography Studies; AP or Honors or Dual Credit World History; and student interest Mhat's Next? AP or Government, Economics, or Dual Credit Government, Economics; and any elective social studies course that can be applied toward a humanities endorsement for students are using this course as a substitution for regular or Honors US History, they will take the US History EOC. DUAL CREDIT UNITED STATES HISTORY SINCE 1877 A TCC Course: United States History I to 1876 (HIST 1301) TWU Course: Early American History HIS 2321 A survey of the social, political, economic, cultural, and intellectual history I includes the study of pre-Columbian, columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian,	Credit(s): 1 College Hour(s): NA Tier I
cresent. Uses college-level material and parallel historic readings to provide the student's information and skills that will enable them to perform successfully on the advanced placement test and/or in their college history classes. This course may be used to meet either the course requirement for U.S. History or state graduation or elective course requirements. Instructional Material: 9488 – Give Me Liberty! An American History, 3e AP edition, W.W. Norton & Company, 2014, 58N: 9780393282788 Prerequisites: District Recommendation: AP Human Geography AB or Honors World Geography Studies or World Geography Studies; AP or Honors or Dual Credit World History; and student interest Mhat's Next? AP or Government, Economics, or Dual Credit Government, Economics; and any elective social studies course that can be applied toward a humanities endorsement If students are using this course as a substitution for regular or Honors US History, they will take the US History EOC. DUAL CREDIT UNITED STATES HISTORY SINCE 1877 A ICC Course: United States History I to 1876 (HIST 1301) TWU Course: Early American History HIS 2321 A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that	Credit(s): 1 College Hour(s): NA Tier I
present. Uses college-level material and parallel historic readings to provide the student's information and skills that will enable them to perform successfully on the advanced placement test and/or in their college history lasses. This course may be used to meet either the course requirement for U.S. History or state graduation or elective course requirements. Instructional Material: 9488 – Give Me Liberty! An American History, 3e AP edition, W.W. Norton & Company, 2014, 58N: 9780393282788 Prerequisites: District Recommendation: AP Human Geography AB or Honors World Geography Studies or World Geography Studies; AP or Honors or Dual Credit World History; and student interest What's Next? AP or Government, Economics, or Dual Credit Government, Economics; and any elective social studies ourse that can be applied toward a humanities endorsement of students are using this course as a substitution for regular or Honors US History, they will take the US History EOC. DUAL CREDIT UNITED STATES HISTORY SINCE 1877 A TCC Course: United States History I to 1876 (HIST 1301) TWU Course: Early American History HIS 2321 A survey of the social, political, economic, cultural, and intellectual history I includes the study of pre-Columbian, columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian,	Credit(s): 1 College Hour(s): NA Tier I

Instructional Material: TCC Course: United States History I to 1876 (HIST 1301) FWISD Prerequisites: None	Grade level: 11 - 12 Credit(s): 0.5
TCC Prerequisites: ENGL-1301 with a grade of C or TSI compliant in reading Early College High School Grade Placement 10-12	College Hour(s): 3 hours Tier I
TWU Prerequisites: Only offered at Dunbar	
Course taught by an approved adjunct instructor.	
If students are using this dual credit course combination (8042A & 8042B) as a substitution for the regular or Honors US History, they will take the US History EOC.	
DUAL CREDIT UNITED STATES HISTORY SINCE 1877 B	8042 B
TCC Course: United States History II Since 1876 (HIST 1302) TWU Course: Modern American History HIS 2324	
A survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil	03340100
War/Reconstruction era to the present. United States History examines industrialization, immigration, world wars,	
the Great Depression, and the Cold War and post-Cold War eras. Themes that may be addressed include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration,	
urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy.	6
Instructional Material: TCC Course: United States History II Since 1876 (HIST 1302)	Grade level: 11 – 12 Credit(s): 0.5
<u>FWISD Prerequisites:</u> Dual Credit United States History Since 1877 A <u>TCC Prerequisites:</u> ENGL-1301 with a grade of C or TSI compliant in reading	College Hour(s): 3 hours
Early College High School Grade Placement 10-12	Tier I
TWU Prerequisites: HIS 2321; Only offered at Dunbar	
Course taught by an approved adjunct instructor.	
If students are using this dual credit course combination (8042A & 8042B) as a substitution for the regular or Honors	
US History, they will take the US History EOC. OnRamps UNITED STATES HISTORY 1492-1865 A	8049 A
In this first of two sequential college American history courses, students study significant themes in US history to	A3340100
uncover the range and depth of the American story. Using lectures, primary and secondary readings, videos, maps,	A3340100
and other graphics, students work both independently and collaboratively to develop the critical thinking skills to	
evaluate the historical record. This course surveys from the colonial beginnings through the Civil War, and Course B	
considers the post-Civil War era to the end of the 20th century. Exams include essay questions that require	
students to craft well-written narratives and arguments that set events in historical context, engage the complexity of cause and consequence, and make connections that reveal the dynamic of change over time. OnRamps works	
through a dual-enrollment model. Using a hybrid delivery approach, students meet rigorous university-level	
college readiness standards and have the opportunity to earn UT Austin credit from a UT faculty member and high	
school credit from their local teacher.	
Instructional Material: Selected and provided by the University of Texas at Austin	Grade level: 11 – 12
<u>Prerequisites:</u> FWISD: World Geography, World History preferred UT Austin OnRamps: Concurrent or completed English II	Credit(s): .5
What's Next? OnRamps US History Since 1865	College Hour(s): 3 hours Tier I
If students are using this course combination (8049A & 8049B) as a substitution for the regular or Honors US History,	
they will take the US History EOC.	
OnRamps UNITED STATES HISTORY SINCE 1865 B	8049 B
In this second of two sequential college American history courses, students study significant themes in US history	A3340100
to uncover the range and depth of the American story. Using lectures, primary and secondary readings, videos, maps, and other graphics, students work both independently and collaboratively to develop the critical thinking	
skills to evaluate the historical record. Course A surveys from the colonial beginnings through the Civil War, and	
this course considers the post-Civil War era to the end of the 20th century. Exams include essay questions that	
require students to craft well-written narratives and arguments that set events in historical context, engage the	
complexity of cause and consequence, and make connections that reveal the dynamic of change over time.	
OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, students meet rigorous university-level college readiness standards and have the opportunity to earn UT Austin credit from a UT faculty	
member and high school credit from their local teacher.	
Instructional Material: Selected and provided by the University of Texas at Austin	Grade level: 11 - 12
<u>Prerequisites:</u> FWISD: World Geography, World History preferred	Credit(s): .5
UT Austin OnRamps: Concurrent or completed English II	College Hour(s): 3 hours
What's Next? AP or Government, Economics, or Dual Credit Government, Economics; and any elective social studies	Tier I
course that can be applied toward a humanities endorsement If students are using this course combination (8049A & 8049B) as a substitution for the regular or Honors US History,	
they will take the US History EOC.	
UNITED STATES GOVERNMENT T	8076 T
The focus of this course is on the principles and beliefs upon which the United States was founded, and on the	03330100
structure, functions, and powers of government at the national, state, and local levels. Major emphasis is given to	
the U.S. Constitution, its underlying principles, beliefs, and the form of government it created.	Grade level: 11 - 12
<u>Instructional Material:</u> 1445 – Texas United States Government, McGraw-Hill, 2015, ISBN: 0021357994 <u>Prerequisites:</u> District Recommendation: World Geography Studies; World History Studies; and US History Studies	Credit(s): 0.5 College Hour(s): NA

What's Next? Economics if Government taken first; and any elective social studies course that can be applied toward a humanities endorsement	Tier III
DUAL CREDIT UNITED STATES GOVERNMENT T	8079 T
TCC Course: Federal Government (GOVT 2305)	
TWU Course: American Government (GOV 2311)	
Origin and development of the U.S. Constitution, structure and powers of the national government including the	03330100
legislative, executive, and judicial branches, federalism, political participation, the national election process, public	
policy, civil liberties and civil rights.	
Instructional Material: TCC Course: Federal Government (GOVT 2305)	Grade level: 11 - 12
FWISD Prerequisites: None	Credit(s): 0.5
TCC Prerequisites: ENGL-1301 with a grade of C or TSI compliant in reading	College Hour(s): 3 hours
TWU Prerequisites: Only offered at Dunbar	Tier I
Early College High School Grade Placement 10-12 Course taught by an approved adjunct instructor.	
This course may be used to meet the Government social studies graduation requirement.	
AP UNITED STATES GOVERNMENT AND POLITICS T	8135 T
Gives attention to national and state governmental structures. Individual rights are stressed throughout as	A3330100
necessary foundations for a successful, functioning democratic republic. Prepares students to perform successfully	7.5550100
on the AP Examination.	
Instructional Material: 9364 – Edward's Government in America 16th edition with My PoliSciLab, Pearson, 2014, ISBN:	Grade level: 11 – 12
9780133991758	Credit(s): 0.5
Prerequisites: District Recommendation: AP Human Geography AB or Honors World Geography Studies or World	College Hour(s): NA
Geography Studies; AP or Honors or Dual Credit World History Studies; completion of (or taken concurrently) AP or	Tier I
Honors or Dual Credit US History; and student interest	
What's Next? AP Microeconomics or Macroeconomics or Economics with an Emphasis on the Free Enterprise	
System T if AP United States Government taken first; and any elective social studies course that can be applied	
toward a humanities endorsement This course may be used to meet the course requirement in U.S. Government for state graduation.	
AP COMPARATIVE GOVERNMENT AND POLITICS T	8078 T
Provides qualified students an opportunity to engage in an in-depth examination of various political systems.	A3330200
Provides qualified students an opportunity to engage in air in-depth examination of various political systems. Prepares students to take the AP examination, thus providing an additional AP testing opportunity for students	A5550200
seeking the Distinguished Achievement Diploma.	
Instructional Material: 9541 – Comparative Politics Domestic Responses to Global Challenges 7E AP Edition, Cengage	Grade level: 11 – 12
Learning, ISBN: 9781305335899	Credit(s): 0.5
Prerequisites: District Recommendation: AP Human Geography AB or Honors World Geography Studies or World	College Hour(s): NA
Geography Studies; AP or Honors or Dual Credit World History Studies; completion of (or taken concurrently) AP or	Tier I
Honors or Dual Credit US History; AP Government or Government T; and student interest	
What's Next? Any elective social studies course that can be applied toward a humanities endorsement	
This course may be used to meet only elective course requirements for state graduation. Will not substitute for U. S.	
Government requirement.	9210 AP
AP EUROPEAN HISTORY AB	8219 AB
The course examines the history of Europe from 1450 to the present and focuses on these interrelated historical themes: political/diplomatic, social/economic, and intellectual/cultural. This course provides students the	A3340200
opportunity to complete the equivalent of the introductory college course.	
Instructional Material: 9217 – Kagan The Western Heritage: Since 1300 11th AP Ed. Revised with My History Lab,	Grade level: 11 – 12
Pearson, ISBN: 9780134050225	Credit(s): 1
Prerequisites: District Recommendation: AP Human Geography AB or Honors World Geography Studies or World	College Hour(s): NA
Geography Studies; AP or Honors or Dual Credit World History; completion of (or taken concurrently) AP or Honors	Tier I
or Dual Credit US History; and student interest	
What's Next? Any elective social studies course that can be applied toward a humanities endorsement	
State elective credit; will not substitute for World History.	
ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM AND ITS BENEFITS T	8096 T
The focus and content of this course is on the basic principles concerning production, consumption, and	03310300
distribution of goods and services in the United States and a comparison with those principles and practices in	
other world economies. Students analyze the interaction of supply, demand, and price and study the role of	Crada lacel 11 12
financial institutions in a free enterprise system. Students examine various types of business ownership and market	Grade level: 11 – 12
structures, the rights and responsibilities of consumers and businesses and basic concepts of consumer economics. Approximately one-third of instructional time is dedicated to personal financial literacy and two-thirds to	Credit(s): 0.5
economics content. This is distinct from PFLECO (XXXXT) where approximately two-thirds of instructional time is	
dedicated to personal financial literacy and one-third to economics content.	
Instructional Material: 1452 – Texas Economics, McGraw-Hill, 2015, ISBN: 0021381119	College Hour(s): NA
<u>Prerequisites:</u> District Recommendation: World Geography Studies, World History Studies, and US History	Tier III
What's Next? Government if Economics taken first; and any elective social studies course that can be applied	
toward a humanities endorsement	

toward a humanities endorsement.

An analysis of the economy as a whole including measurement and determination of Aggregate Demand and Aggregate Supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, and fiscal policy and monetary policy. Emphasis on the U.S. economy. Required for business and economics majors. Instructional Material: TCC Course: Principles of Macroeconomics (ECON 2301) EWISD Prerequisites: United States History I AB Early College High School Grade Placement 10-12 Course taught by an approved adjunct instructor. AP MACROECONOMICS T Presents a one-semester analysis of economic theory. This course deals with major economic goals and the policy cools used to implement them. Prepares students to perform successfully on the AP Examination. Instructional Material: 9363 – Krugman's Economics for AP(HS), 2nd Edition Ed, Bedford, Freeman, and Worth, 2011, 158N: 1429218276	O3310300 Grade level: 11 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I 8098 T
An analysis of the economy as a whole including measurement and determination of Aggregate Demand and Aggregate Supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, and fiscal policy and monetary policy. Emphasis on the U.S. economy. Required for business and economics majors. Instructional Material: TCC Course: Principles of Macroeconomics (ECON 2301) EWISD Prerequisites: United States History I AB Early College High School Grade Placement 10-12 Course taught by an approved adjunct instructor. AP MACROECONOMICS T Presents a one-semester analysis of economic theory. This course deals with major economic goals and the policy cools used to implement them. Prepares students to perform successfully on the AP Examination. Instructional Material: 9363 – Krugman's Economics for AP(HS), 2nd Edition Ed, Bedford, Freeman, and Worth, 2011,	Grade level: 11 - 12 Credit(s): 0.5 College Hour(s): 3 hours Tier I
for business and economics majors. Instructional Material: TCC Course: Principles of Macroeconomics (ECON 2301) EWISD Prerequisites: United States History I AB Early College High School Grade Placement 10-12 Course taught by an approved adjunct instructor. AP MACROECONOMICS T Presents a one-semester analysis of economic theory. This course deals with major economic goals and the policy cools used to implement them. Prepares students to perform successfully on the AP Examination. Instructional Material: 9363 – Krugman's Economics for AP(HS), 2nd Edition Ed, Bedford, Freeman, and Worth, 2011,	Credit(s): 0.5 College Hour(s): 3 hours Tier I
EWISD Prerequisites: United States History I AB Early College High School Grade Placement 10-12 Course taught by an approved adjunct instructor. AP MACROECONOMICS T Presents a one-semester analysis of economic theory. This course deals with major economic goals and the policy ools used to implement them. Prepares students to perform successfully on the AP Examination. Instructional Material: 9363 – Krugman's Economics for AP(HS), 2nd Edition Ed, Bedford, Freeman, and Worth, 2011,	College Hour(s): 3 hours Tier I
EWISD Prerequisites: United States History I AB Early College High School Grade Placement 10-12 Course taught by an approved adjunct instructor. AP MACROECONOMICS T Presents a one-semester analysis of economic theory. This course deals with major economic goals and the policy ools used to implement them. Prepares students to perform successfully on the AP Examination. Instructional Material: 9363 – Krugman's Economics for AP(HS), 2nd Edition Ed, Bedford, Freeman, and Worth, 2011,	College Hour(s): 3 hours Tier I
Course taught by an approved adjunct instructor. AP MACROECONOMICS T Presents a one-semester analysis of economic theory. This course deals with major economic goals and the policy ools used to implement them. Prepares students to perform successfully on the AP Examination. Instructional Material: 9363 – Krugman's Economics for AP(HS), 2nd Edition Ed, Bedford, Freeman, and Worth, 2011,	
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Presents a one-semester analysis of economic theory. This course deals with major economic goals and the policy ools used to implement them. Prepares students to perform successfully on the AP Examination. <u>nstructional Material:</u> 9363 – Krugman's Economics for AP(HS), 2nd Edition Ed, Bedford, Freeman, and Worth, 2011,	8098 T
ools used to implement them. Prepares students to perform successfully on the AP Examination. nstructional Material: 9363 – Krugman's Economics for AP(HS), 2nd Edition Ed, Bedford, Freeman, and Worth, 2011,	
-	A3310200
3BN. 1429210270	
<u>Prerequisites:</u> District Recommendations: AP Human Geography AB or Honors World Geography Studies or World Geography Studies or World Geography Studies; AP or Honors or Dual Credit World History; completion of (or taken concurrently) AP or Honors	Grade level: 11 – 12 Credit(s): 0.5
or Dual Credit US History; and student interest	College Hour(s): NA
<u>What's Next?</u> AP Microeconomics or any elective social studies course that can be applied toward a humanities endorsement	Tier I
This course may be used to meet either the course requirement for Economics for state graduation or elective course requirements.	
AP MICROECONOMICS T	8099 T
Presents a one-semester analysis of the elements of economic theory. This course deals with product and factor orice determination in a market economy. Prepares students to perform successfully on the AP Examination.	A3310100
nstructional Material: 9363 – Krugman's Economics for AP(HS), 2nd Edition Ed, Bedford, Freeman, and Worth, 2011, SBN: 1429218276	
Prerequisites: District Recommendations: AP Human Geography AB or Honors World Geography Studies or World	Grade level: 11 – 12
Geography Studies; AP or Honors or Dual Credit World History; completion of (or taken concurrently) AP or Honors	Credit(s): 0.5
or Dual Credit US History; and student interest	College Hour(s): NA
<u>What's Next?</u> Any elective social studies course that can be applied toward a humanities endorsement.	Tier I
This course may be used to meet either the course requirement for Economics for state graduation or elective course	
requirements.	0117 T
SOCIOLOGY T	8117 T
Offers students opportunities to study individual and group social patterns as a means for gaining insight into the interrelations among people and societal institutions.	03370100
nstructional Material: 1480 – Sociology: The Study of Human Relationships, Holt McDougal, ISBN: 9780544344037	Grade level: 11 – 12
Prerequisites: District Recommendation: World Geography Studies; World History Studies; US History (or	Credit(s): 0.5
concurrent enrollment); and student interest <u>What's Next?</u> Any elective social studies course that can be applied toward a humanities endorsement.	College Hour(s): NA Tier III
This course may be used to meet only elective course requirements for state graduation.	rici iii
DUAL CREDIT SOCIOLOGY T	8115 T
FCC Course: Introduction to Sociology (SOCI 1301)	
TWU Course: Introduction to Sociology (SOC 2301)	
The scientific study of human society, including ways in which groups, social institutions, and individuals affect each	03370100
other. Causes of social stability and social change are explored through the application of various theoretical	
perspectives, key concepts, and related research methods of sociology. Analysis of social issues in their institutional	
context may include topics such as social stratification, gender, race/ethnicity, and deviance.	C
nstructional Material: TCC Course: Introduction to Sociology (SOCI 1301)	Grade level: 11-12 Credit(s): 0.5
<u>CC Prerequisites:</u> None <u>CC Prerequisites:</u> ENGL-1301 with a grade of C or TSI compliant in reading	College Hour(s): 3 hours
Early College High School Grade Placement 9-12	Tier I
<u>TWU Prerequisites:</u> Only offered at Dunbar	
Course taught by an approved adjunct instructor.	
Course taught by an approved adjunct instructor. This course may be used to meet only elective course requirements for state graduation.	0425 T
Course taught by an approved adjunct instructor. This course may be used to meet only elective course requirements for state graduation. PSYCHOLOGY T	8125 T
Course taught by an approved adjunct instructor. This course may be used to meet only elective course requirements for state graduation. PSYCHOLOGY T Involves an exploration into human behavior with the understanding that individual adjustment in a compact and complex world is essential.	03350100
Course taught by an approved adjunct instructor. This course may be used to meet only elective course requirements for state graduation. PSYCHOLOGY T Involves an exploration into human behavior with the understanding that individual adjustment in a compact and complex world is essential. Instructional Material: 1470 – Texas Psychology, McGraw-Hill, 2015 ISBN: 0021394946	03350100 Grade level: 11 – 12
Course taught by an approved adjunct instructor. This course may be used to meet only elective course requirements for state graduation. PSYCHOLOGY T Involves an exploration into human behavior with the understanding that individual adjustment in a compact and complex world is essential.	03350100

This course may be used to meet only elective course requirements for state graduation.	
AP PSYCHOLOGY T	8127 T
Extends the study of psychology to include an in-depth approach to both human and animal behavior through experimental, correlation, and clinical research. Students have opportunities to apply statistical methods for the interpretation of data. Prepares students to perform successfully on the AP Examination. The course pairing 8146 and 8127 prepares students for the AP Psychology exam by teaching the curriculum over two semesters. When campuses pair 8146 and 8127, students must be enrolled in both courses.	A3350100
nstructional Material: 9425 – Myer's Psychology for AP 2nd Edition, Bedford, Freeman and Worth Publishing, 2014, SBN: 1464113076 Prerequisites: District Recommendation: AP Human Geography AB or Honors World Geography Studies or World Geography Studies; or, concurrent enrollment in AP or Honors or Dual Credit World History Studies; and student nterest	Grade level: 10 – 12 Credit(s): 0.5 College Hour(s): NA Tier I
What's Next? Honors Social Studies Research Methods in Psychology (8146 TH) or Core course per recommended sequence for graduation and/or any elective social studies course that can be applied toward a humanities endorsement.	
This course may be used to meet only elective course requirements for state graduation. DUAL CREDIT PSYCHOLOGY IT FCC Course: General Psychology (PSYC 2301)	8123 T
IWU Course: Introduction to Psychology (PSY 1301) A survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental	03350100
processes.	
nstructional Material: TCC Course: General Psychology (PSYC 2301) FWISD Prerequisites: FCC Prerequisites: ENGL-1301 with a grade of C or TSI compliant in reading Farly College High School Grade Placement 10-12 FWU Prerequisites: Only offered at Dunbar Fourse taught by an approved adjunct instructor.	Grade level: 11-12 Credit(s): 0.5 College Hour(s): 3 hours Tier I
DUAL CREDIT AP PSYCHOLOGY IT	8126 T
ICC Course: General Psychology (PSYC 2301)	
A survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes.	03350100
nstructional Material: TCC Course: General Psychology (PSYC 2301) FWISD Prerequisites: FCC Prerequisites: ENGL-1301 with a grade of C or TSI compliant in reading Farly College High School Grade Placement 10-12	Grade level: 11-12 Credit(s): 0.5 College Hour(s): 3 hours Tier I
Course taught by an approved adjunct instructor.	
ADVANCED SOCIAL STUDIES RESEARCH METHODS IN PSYCHOLOGY T An elective course designed for use in pairing with AP Psychology. Students learn collegiate level skills in research analysis and design. Each student will conduct in-depth research, prepare a product of professional quality, and make presentations to appropriate audiences. In collaboration with the teacher or a mentor, students independently investigate a problem, issue or concern. The course pairing 8146 and 8127 prepares students for the AP Psychology exam by teaching the curriculum over two semesters. When campuses pair 8146 and 8127, students must be enrolled in both courses.	8146 T 033800##
nstructional Material: No state-adopted instructional material(s)/ Contact Social Studies Director. Prerequisites: AP Psychology and student interest. What's Next? Core course per recommended sequence for graduation and/or any elective social studies course that can be applied toward a humanities endorsement. 233800##- 1st Time ##=03, 2nd Time ##=23, 3rd Time ##=33, 4th Time ##=43 This course may be used to meet only elective course requirements for state graduation.	Grade level: 10 - 12 Credit(s): 0.5 College Hour(s): NA Tier I
SOCIAL STUDIES ADVANCED STUDIES T	8138 T
This is an elective course where students conduct in-depth research, prepare a product of professional quality, and make presentations to appropriate audiences. In collaboration with a mentor, or working independently, students nvestigate a problem, issue, or concern. Social Studies Advanced Studies may be repeated with different advanced content for up to four state elective credits.	033800##
nstructional Material: No state-adopted instructional material(s)/Contact Social Studies Pererequisites: District Recommendation: AP Human Geography AB or Honors World Geography Studies or World Geography Studies; AP or Honors or Dual Credit World History Studies; completion of (or taken concurrently) AP or Honors or Dual Credit US History; and student interest What's Next? Core course per recommended sequence for graduation and/or any elective social studies course that can be applied toward a humanities endorsement.	Grade level: 11 - 12 Credit(s): 0.5 College Hour(s): NA Tier III

HONORS SOCIAL STUDIES ADVANCED STUDIES TH	8142 T/H
his is an elective course where students conduct in-depth research, prepare a product of professional quality, and	033800##
nake presentations to appropriate audiences. In collaboration with a mentor, or working independently, students	
nvestigate a problem, issue, or concern.	
nstructional Material: No state-adopted instructional material(s)/Contact Social Studies	
rerequisites: District Recommendation: AP Human Geography AB or Honors World Geography Studies or World	Grade level: 11 – 12
Geography Studies; AP or Honors or Dual Credit World History Studies; completion of (or taken concurrently) AP or	Credit(s): 0.5
lonors or Dual Credit US History; and student interest	College Hour(s): NA
Vhat's Next? Any elective course that can be applied toward a humanities endorsement.	Tier II
133800##- 1st Time ##=01, 2nd Time ##=21, 3rd Time ##=31, 4th Time ##=41	
TUDENT LEADERSHIP AB	8141 AB
Provides students the opportunity to study and develop individual leadership and organizational skills (e.g.	N1290010
lecision making, problem solving, communications, human relations, and civic responsibility). Teachers are to use	
he course curriculum provided by the Texas Association of Secondary School Principals (TAASP). Training in the	
ise of this curriculum is also required. State elective graduation credit. (Innovative Course).	
nstructional Material: Course curriculum provided by the Texas Association of Secondary School Principals	Grade level: 9 – 12
TAASP)/Contact Social Studies	Credit(s): 1
Prerequisites: None	College Hour(s): NA
<u>Vhat's Next?</u> Core course per recommended sequence for graduation and/or any elective social studies course	Tier III
hat can be applied toward a humanities endorsement social studies elective.	
Course taught by TASSP curriculum trained teachers. This course is not eligible for application toward the social	
tudies humanities endorsement. Contact Social Studies with questions.	
HONORS STUDENT LEADERSHIP ABH	8140 ABH
Provides students the opportunity for advanced study and development of individual leadership and organizational	N1290010
kills (e.g. decision making, problem solving, communications, human relations, and civic responsibility). Teachers	
re to use the course curriculum provided by the Texas Association of Secondary School Principals (TAASP) and	
lifferentiate it to meet Honors-level expectations. Training in the use of this curriculum is also required. State	
elective graduation credit. (Innovative Course).	C. I. I. 10 10
nstructional Material: Course curriculum provided by the Texas Association of Secondary School Principals	Grade level: 9 - 12
TAASP)/Contact Social Studies	Credit(s): 1
Prerequisites: District Recommendation: Successful completion and/or concurrent enrollment in Honors or AP or	College Hour(s): NA
Oual Credit coursework.	Tier II
<u>Vhat's Next?</u> Core course per recommended sequence for graduation and/or any elective social studies course	
hat can be applied toward a humanities endorsement social studies elective.	
Course taught by TASSP curriculum trained teachers. This course is not eligible for application toward the social	
tudies humanities endorsement. Contact Social Studies with questions.	
SPECIAL TOPICS IN SOCIAL STUDIES: AMERICAN CULTURE STUDIES T	8038 T
rovides an opportunity for an in-depth examination of various cultural or ethnic groups in the United States. The	033800##
ourse is designed to develop appreciation and respect for cultural diversity and the contributions made by various	
roups to the American landscape while incorporating the skills and content understanding needed by students to	
e successful on the United States History End-of-Course Exam.	
ne successful on the United States History End-of-Course Exam. Instructional Material: No state-adopted instructional material(s)/Contact Social Studies	Grade level: 11 – 12
·	Grade level: 11 – 12 Credit(s): 0.5
nstructional Material: No state-adopted instructional material(s)/Contact Social Studies	
nstructional Material: No state-adopted instructional material(s)/Contact Social Studies Prerequisites: District Recommendation: World Geography Studies; World History Studies; completion of (or taken	Credit(s): 0.5
nstructional Material: No state-adopted instructional material(s)/Contact Social Studies Prerequisites: District Recommendation: World Geography Studies; World History Studies; completion of (or taken oncurrently) US History; teacher, recommendation; parental approval. What's Next? Core course per recommended sequence for graduation and/or any elective social studies course	Credit(s): 0.5 College Hour(s): NA
nstructional Material: No state-adopted instructional material(s)/Contact Social Studies Prerequisites: District Recommendation: World Geography Studies; World History Studies; completion of (or taken oncurrently) US History; teacher, recommendation; parental approval. What's Next? Core course per recommended sequence for graduation and/or any elective social studies course hat can be applied toward a humanities endorsement social studies elective.	Credit(s): 0.5 College Hour(s): NA
nstructional Material: No state-adopted instructional material(s)/Contact Social Studies Prerequisites: District Recommendation: World Geography Studies; World History Studies; completion of (or taken oncurrently) US History; teacher, recommendation; parental approval. What's Next? Core course per recommended sequence for graduation and/or any elective social studies course that can be applied toward a humanities endorsement social studies elective. 133800##- 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42 Special Topics may be repeated with	Credit(s): 0.5 College Hour(s): NA
nstructional Material: No state-adopted instructional material(s)/Contact Social Studies Prerequisites: District Recommendation: World Geography Studies; World History Studies; completion of (or taken oncurrently) US History; teacher, recommendation; parental approval. What's Next? Core course per recommended sequence for graduation and/or any elective social studies course hat can be applied toward a humanities endorsement social studies elective. 133800##- 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42 Special Topics may be repeated with different topics for up to two state credits.	Credit(s): 0.5 College Hour(s): NA Tier III
nstructional Material: No state-adopted instructional material(s)/Contact Social Studies Prerequisites: District Recommendation: World Geography Studies; World History Studies; completion of (or taken oncurrently) US History; teacher, recommendation; parental approval. What's Next? Core course per recommended sequence for graduation and/or any elective social studies course hat can be applied toward a humanities endorsement social studies elective. 133800##- 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42 Special Topics may be repeated with lifferent topics for up to two state credits. DUAL CREDIT SPECIAL TOPICS IN SOCIAL STUDIES: PHILOSOPHY T	Credit(s): 0.5 College Hour(s): NA
Instructional Material: No state-adopted instructional material(s)/Contact Social Studies Prerequisites: District Recommendation: World Geography Studies; World History Studies; completion of (or taken oncurrently) US History; teacher, recommendation; parental approval. What's Next? Core course per recommended sequence for graduation and/or any elective social studies course that can be applied toward a humanities endorsement social studies elective. 133800##- 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42 Special Topics may be repeated with lifterent topics for up to two state credits. DUAL CREDIT SPECIAL TOPICS IN SOCIAL STUDIES: PHILOSOPHY TOTCC Course: Introduction to Philosophy (PHIL 1301)	Credit(s): 0.5 College Hour(s): NA Tier III
Instructional Material: No state-adopted instructional material(s)/Contact Social Studies Prerequisites: District Recommendation: World Geography Studies; World History Studies; completion of (or taken oncurrently) US History; teacher, recommendation; parental approval. What's Next? Core course per recommended sequence for graduation and/or any elective social studies course that can be applied toward a humanities endorsement social studies elective. 133800##- 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42 Special Topics may be repeated with lifterent topics for up to two state credits. DUAL CREDIT SPECIAL TOPICS IN SOCIAL STUDIES: PHILOSOPHY T TCC Course: Introduction to Philosophy (PHIL 1301) TWU Course: Intro to Ethics (REL 1313)	Credit(s): 0.5 College Hour(s): NA Tier III 8039 T
Instructional Material: No state-adopted instructional material(s)/Contact Social Studies Prerequisites: District Recommendation: World Geography Studies; World History Studies; completion of (or taken oncurrently) US History; teacher, recommendation; parental approval. What's Next? Core course per recommended sequence for graduation and/or any elective social studies course hat can be applied toward a humanities endorsement social studies elective. 133800##- 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42 Special Topics may be repeated with lifterent topics for up to two state credits. DUAL CREDIT SPECIAL TOPICS IN SOCIAL STUDIES: PHILOSOPHY TOTAL COURSE: Introduction to Philosophy (PHIL 1301) TWU Course: Intro to Ethics (REL 1313) A study of major issues in philosophy and/or the work of major philosophical figures in philosophy. Topics in	Credit(s): 0.5 College Hour(s): NA Tier III
Instructional Material: No state-adopted instructional material(s)/Contact Social Studies Prerequisites: District Recommendation: World Geography Studies; World History Studies; completion of (or taken oncurrently) US History; teacher, recommendation; parental approval. What's Next? Core course per recommended sequence for graduation and/or any elective social studies course hat can be applied toward a humanities endorsement social studies elective. 133800##- 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42 Special Topics may be repeated with different topics for up to two state credits. DUAL CREDIT SPECIAL TOPICS IN SOCIAL STUDIES: PHILOSOPHY T TCC Course: Introduction to Philosophy (PHIL 1301) WU Course: Intro to Ethics (REL 1313) A study of major issues in philosophy and/or the work of major philosophical figures in philosophy. Topics in whilosophy may include theories of reality, theories of knowledge, theories of value, and their practical applications.	Credit(s): 0.5 College Hour(s): NA Tier III 8039 T
Instructional Material: No state-adopted instructional material(s)/Contact Social Studies Prerequisites: District Recommendation: World Geography Studies; World History Studies; completion of (or taken oncurrently) US History; teacher, recommendation; parental approval. What's Next? Core course per recommended sequence for graduation and/or any elective social studies course hat can be applied toward a humanities endorsement social studies elective. 133800##- 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42 Special Topics may be repeated with different topics for up to two state credits. DUAL CREDIT SPECIAL TOPICS IN SOCIAL STUDIES: PHILOSOPHY T TCC Course: Introduction to Philosophy (PHIL 1301) WU Course: Intro to Ethics (REL 1313) A study of major issues in philosophy and/or the work of major philosophical figures in philosophy. Topics in shilosophy may include theories of reality, theories of knowledge, theories of value, and their practical applications. Instructional Material: TCC Course: Introduction to Philosophy (PHIL 1301)	Credit(s): 0.5 College Hour(s): NA Tier III 8039 T 033800## Grade level: 11 – 12
Instructional Material: No state-adopted instructional material(s)/Contact Social Studies Prerequisites: District Recommendation: World Geography Studies; World History Studies; completion of (or taken oncurrently) US History; teacher, recommendation; parental approval. What's Next? Core course per recommended sequence for graduation and/or any elective social studies course hat can be applied toward a humanities endorsement social studies elective. 133800##- 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42 Special Topics may be repeated with different topics for up to two state credits. DUAL CREDIT SPECIAL TOPICS IN SOCIAL STUDIES: PHILOSOPHY TOTAL COURSE: Introduction to Philosophy (PHIL 1301) WU Course: Introduction to Ethics (REL 1313) A study of major issues in philosophy and/or the work of major philosophical figures in philosophy. Topics in whilosophy may include theories of reality, theories of knowledge, theories of value, and their practical applications. Instructional Material: TCC Course: Introduction to Philosophy (PHIL 1301) WISD Prerequisites: None	Credit(s): 0.5 College Hour(s): NA Tier III 8039 T 033800## Grade level: 11 – 12 Credit(s): 0.5
Instructional Material: No state-adopted instructional material(s)/Contact Social Studies Prerequisites: District Recommendation: World Geography Studies; World History Studies; completion of (or taken oncurrently) US History; teacher, recommendation; parental approval. What's Next? Core course per recommended sequence for graduation and/or any elective social studies course that can be applied toward a humanities endorsement social studies elective. 193800##- 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42 Special Topics may be repeated with different topics for up to two state credits. DUAL CREDIT SPECIAL TOPICS IN SOCIAL STUDIES: PHILOSOPHY T TCC Course: Introduction to Philosophy (PHIL 1301) WU Course: Intro to Ethics (REL 1313) A study of major issues in philosophy and/or the work of major philosophical figures in philosophy. Topics in shilosophy may include theories of reality, theories of knowledge, theories of value, and their practical applications. Instructional Material: TCC Course: Introduction to Philosophy (PHIL 1301) WISD Prerequisites: ENGL-1301 with a grade of C or TSI compliant in reading	Credit(s): 0.5 College Hour(s): NA Tier III 8039 T 033800## Grade level: 11 – 12
Instructional Material: No state-adopted instructional material(s)/Contact Social Studies Prerequisites: District Recommendation: World Geography Studies; World History Studies; completion of (or taken oncurrently) US History; teacher, recommendation; parental approval. What's Next? Core course per recommended sequence for graduation and/or any elective social studies course hat can be applied toward a humanities endorsement social studies elective. 133800##- 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42 Special Topics may be repeated with different topics for up to two state credits. DUAL CREDIT SPECIAL TOPICS IN SOCIAL STUDIES: PHILOSOPHY TOTAL COURSE: Introduction to Philosophy (PHIL 1301) WU Course: Introduction to Ethics (REL 1313) A study of major issues in philosophy and/or the work of major philosophical figures in philosophy. Topics in whilosophy may include theories of reality, theories of knowledge, theories of value, and their practical applications. Instructional Material: TCC Course: Introduction to Philosophy (PHIL 1301) WISD Prerequisites: None	Credit(s): 0.5 College Hour(s): NA Tier III 8039 T 033800## Grade level: 11 – 12 Credit(s): 0.5
Instructional Material: No state-adopted instructional material(s)/Contact Social Studies Prerequisites: District Recommendation: World Geography Studies; World History Studies; completion of (or taken oncurrently) US History; teacher, recommendation; parental approval. What's Next? Core course per recommended sequence for graduation and/or any elective social studies course that can be applied toward a humanities endorsement social studies elective. 193800##- 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42 Special Topics may be repeated with different topics for up to two state credits. DUAL CREDIT SPECIAL TOPICS IN SOCIAL STUDIES: PHILOSOPHY T TCC Course: Introduction to Philosophy (PHIL 1301) WU Course: Intro to Ethics (REL 1313) A study of major issues in philosophy and/or the work of major philosophical figures in philosophy. Topics in shilosophy may include theories of reality, theories of knowledge, theories of value, and their practical applications. Instructional Material: TCC Course: Introduction to Philosophy (PHIL 1301) WISD Prerequisites: ENGL-1301 with a grade of C or TSI compliant in reading	Credit(s): 0.5 College Hour(s): NA Tier III 8039 T 033800## Grade level: 11 – 12 Credit(s): 0.5 College Hour(s): 3 hours

DUAL CREDIT SPECIAL TOPICS IN SOCIAL STUDIES: GEOGRAPHY THEMES AND PERSPECTIVES A TCC Course: Introduction to World Religions (PHIL 1304)	8004 A	
This course engages students in a comparative study of world religions including, but not limited to Hinduism, Buddhism, Judaism, Christianity and Islam. In addition to understanding their historical development, cultural expressions and spatial distribution students will consider what it means to live in a world where people have diverse religious beliefs.	development, cultural	
Instructional Material: TCC Course: Introduction to World Religions (PHIL 1304)	Grade level: 9 - 12	
FWISD Prerequisites: None	Credit(s): 0.5	
TCC Prerequisites: None	College Hour(s): 3 hours	
Course taught by an approved adjunct instructor. Special Topics may be repeated with different topics for up to two	Tier I	
state credits. 033800##- 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42		
DUAL CREDIT SPECIAL TOPICS IN SOCIAL STUDIES: GEOGRAPHY THEMES AND PERSPECTIVES B	8004 B	
TCC Course: Social Problems (SOCI 1306)	022000##	
In this course, students will apply social science principles and perspectives to explore major social problems in	033800##	
contemporary society such as inequality, crime and violence, substance abuse, environmental issues, deviance, or		
family problems. Included in the study is a building an understanding of the linkage between social problems and		
the global, political, economic, and cultural dimensions.	Crada laval: 10 12	
Instructional Material: TCC Course: Social Problems (SOCI 1306) FWISD Prerequisites: None	Grade level: 10 - 12	
<u>FWISD Prerequisites:</u> None TCC Prerequisites: None	Credit(s): 0.5	
Course taught by an approved adjunct instructor. Special Topics may be repeated with different topics for up to two	College Hour(s): 3 hours Tier I	
state credits. 033800##- 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42	Her i	
SPECIAL TOPICS IN SOCIAL STUDIES: LATINO/A STUDIES T	8041 T/H	
Students explore LatinX and Chicano/Chicana experiences from the pre-Columbian era to the present day. Topics	033800##	
of study include an examination of the historical, economic, social, and cultural contributions of people and		
descendants of Mexico, Central and South America, and the Caribbean. Through their exploration of these topics,		
students will investigate the diversity of Latino(a)/Chicano(a) culture, ponder the various factors that have come to		
form their identities, and analyze how their experiences have shaped American society today. This course provides		
authentic academic experiences and is designed to prepare students for success in college and in their chosen		
careers. Students are expected to conduct in-depth research, prepare a product of professional quality, and make		
presentations to appropriate audiences as part of this course.		
Instructional Material: No state-adopted instructional material(s)/Contact Social Studies		
<u>Prerequisites:</u> World Geography Studies if taken for core social studies graduation credit. * Enrolled concurrently in	Grade level: 10 – 12	
United States History Studies, Government, or Economics if taken as an elective; student interest	Credit(s): 0.5	
What's Next? Students planning to take ethnic studies as a graduation eligible credit should take 8045 T in the	College Hour(s): NA	
Spring semester. Students taking the course as an elective may take a Core course per recommended sequence for	Tier II	
graduation and/or any elective social studies course that can be applied toward a humanities endorsement.		
*When paired with 8045T this Ethnic Studies course may be used in place of World History Studies to satisfy core		
social studies graduation credit.		
033800##- 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42 Special Topics may be repeated with different topics for up to two state credits.		
DUAL CREDIT SPECIAL TOPICS IN SOCIAL STUDIES: LATINO/A STUDIES T	8043 T	
UTA Course: Introduction to Mexican-American Studies (MAS 2300)		
This online course is an introduction to the multi-disciplinary field of Mexican-American Studies. By the end of the	033800##	
course, students will gain an understanding of important moments in Mexican-American history, key cultural		
concepts in Mexican American cultural studies, and the issues confronting Latinos/as today.		
Instructional Material: UTA Course: Intro. to Mexican-American Studies (MAS 2300)		
FWISD Prerequisites: World Geography Studies; World History Studies; completion of US History or taken	Grade level: 11-12	
concurrently; student interest	Credit(s): 0.5	
UTA Prerequisites: Admission into UTA's Honors Academy Dual Credit Program	College Hour(s): 3 hours	
033800##- 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42	Tier I	
Special Topics may be repeated with different topics for up to two state credits.	9042 T	
DUAL CREDIT SPECIAL TOPICS IN SOCIAL STUDIES: LATINO/A STUDIES T TCC Course: Mexican-American History I to 1876 (HIST 2327)	8043 T	
Historical, economic, social, and cultural development of Mexican-Americans/Chicanos/Chicanas. (May be applied	033800##	
to US History requirement.)	333330""	
<u>Instructional Material:</u> TCC Course: Mexican-American History I to 1876 (HIST 2327)	Grade level: 11-12	
<u>Instructional Material:</u> <i>TCC Course: Mexican-American History I to 1876 (HIST 2327)</i> <u>FWISD Prerequisites:</u> World Geography and World History	Grade level. 11 12	
·	Credit(s): 0.5	
FWISD Prerequisites: World Geography and World History	Credit(s): 0.5	
<u>FWISD Prerequisites:</u> World Geography and World History <u>TCC Prerequisites</u> : ENGL-1301 with a grade of C or TSI compliant in reading	Credit(s): 0.5	
<u>FWISD Prerequisites:</u> World Geography and World History <u>TCC Prerequisites</u> : ENGL-1301 with a grade of C or TSI compliant in reading Early College High School Grade Placement 10-12	Credit(s): 0.5 College Hour(s): 3 hours	

SPECIAL TOPICS IN SOCIAL STUDIES: A HISTORY OF HEALTH AND MEDICINE TH	8044 T/H
Provides students enrolled at the Texas Academy of Biomedical Sciences an opportunity for an in-depth	033800##
examination of health and medical topics related to the school's mission; including historical influences on public	
nealth, the evolution of scientific and medical advances on health throughout history, as well as changing	
perceptions and approaches to professional practice in the biomedical fields. The course is designed in a seminar	
ormat and will provide opportunities to develop college and career readiness skills through the robust class	
discussions as well as conducting research for and the writing of a historical paper.	
nstructional Material: No state-adopted instructional material(s)/Contact Social Studies	Grade level: 12
Prerequisites: World Geography Studies; World History Studies; US History; student interest	Credit(s): 0.5
<u>Nhat's Next?</u> N/A	College Hour(s): NA
033800##- 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42	Tier II
Special Topics may be repeated with different topics for up to two state credits.	
Offered only at: TABS	
THNIC STUDIES: AFRICAN AMERICAN STUDIES T	8045 T/H
Students explore African and African-American history from ancient times to the present. During this study,	03380085
tudents develop a rich understanding of the causes, character, and consequences of the African American	
experience as well as the way individual contributions shape the political, economic, and cultural landscape in the	
ocal community, the United States, and the World. Students are expected to conduct in-depth research, prepare a	
product of professional quality, and make presentations to appropriate audiences as part of this course.	
nstructional Material: No state-adopted instructional material(s)/Contact Social Studies/Locally adopted text is	
reedom on My Mind (2 nd Edition) from Bedford Freeman & Worth	Grade level: 10 – 12
Prerequisites: World Geography Studies if taken for core social studies graduation credit. * Enrolled concurrently in	Credit(s): 0.5
Jnited States History Studies, Government, or Economics if taken as an elective; student interest	College Hour(s): NA
<u>What's Next?</u> Students planning to take ethnic studies as a graduation eligible credit should take 8041 T in the Fall.	Tier II
Core course per recommended sequence for graduation and/or any elective social studies course that can be	
applied toward a humanities endorsement.	
When paired with 8041T this Ethnic Studies course may be used in place of World History Studies to satisfy core	
ocial studies graduation credit.	
DUAL CREDIT SPECIAL TOPICS IN SOCIAL STUDIES: TEXAS GOVERNMENT T	8073 T
TCC Course: Texas Government (GOVT 2306)	
Drigin and development of the Texas Constitution, structure and powers of state and local government, federalism	033800##
and inter-governmental relations, political participation, the election process, public policy, and the political culture	υ 3 3000"#
and inter-governmental relations, political participation, the election process, public policy, and the political culture of Texas.	
nstructional Material: TCC Course: Texas Government (GOVT 2306)	Consider Investo ALVA
WISD Prerequisites: None	Grade level: N/A
CC Prerequisites: ENGL-1301 with a grade of C or TSI compliant in reading	Credit(s): 0.5
What's Next? N/A	College Hour(s): 3 hours
Early College High School Grade Placement 10-12	Tier I
Course taught by an approved adjunct instructor.	900F T
DUAL CREDIT SPECIAL TOPICS IN SOCIAL STUDIES: PRINCIPLES OF MICROECONOMICS T	8095 T
TCC Course: Principles of Microeconomics (ECON 2302)	022000##
Analysis of the behavior of individual economic agents, including consumer behavior and demand, producer	033800##
pehavior and supply, price and output decisions by firms under various market structures, factor markets, market	
ailures, and international trade.	C
nstructional Material: TCC Course: Principles of Microeconomics (ECON 2302)	Grade level: 11 - 12
WISD Prerequisites: United States History I	Credit(s): 0.5
Nhat's Next? N/A	College Hour(s): 3 hours
Course taught by an approved adjunct instructor. Special Topics may be repeated with different topics for up to two	ECHS Grade: 10-12
tate credits. 033800##- 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42	Tier I
PERSONAL FINANCIAL LITERACY T	8145 T
Personal financial literacy is designed to be an interactive research-based course where students learn to apply	03380082
critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and	
nvesting, credit and borrowing, insuring and protecting, and college and post-secondary education and training.	
nstructional Material: No state-adopted instructional material(s)/Contact Social Studies	Grade level: 10-12
Prerequisites: District Recommendations: AP Human Geography AB or Honors World Geography Studies or World	Credit(s): 0.5
Geography Studies; and student interest.	College Hour(s): NA
	Tier III
	iici iii
What's Next? Core course per recommended sequence for graduation and/or any elective social studies course	
<u>What's Next?</u> Core course per recommended sequence for graduation and/or any elective social studies course hat can be applied toward a humanities endorsement.	Ω1 <i>/</i> 17 T
<u>What's Next?</u> Core course per recommended sequence for graduation and/or any elective social studies course hat can be applied toward a humanities endorsement. DUAL CREDIT PERSONAL FINANCIAL LITERACY T	8147 T
<u>What's Next?</u> Core course per recommended sequence for graduation and/or any elective social studies course hat can be applied toward a humanities endorsement.	8147 T 03380082

Instructional Material: TWU Personal Finance (FIN 1325)	Grade level: 9 - 12
FWISD Prerequisites: None	Credit(s): 0.5
TWU Prerequisites: None	College Hour(s): 3 hours
This course is offered as part of the Early College High School program at Dunbar High School. Course must be	Tier I
taught by an approved adjunct instructor	
SPECIAL TOPICS IN SOCIAL STUDIES: HONORS UNITED STATES MILITARY HISTORY ABH	5975 ABH
	5976 ABH
	5978 ABH
This course presents a comprehensive U. S. Military History review, providing students an awareness of responsible	033800##
eadership roles of men and women in past and present history. Students will gain an understanding of U.S. military nistory and strategy from an intellectual, social, economic and political perspective. Students will apply critical-	Grade level: 10 - 12
thinking skills to understand the impact of geographic factors, current world events and the role of diplomacy from	HS Credit(s): 1
the perspective of both scholars and from the perspective of those who have fought our wars. Cadet leaders are	College Hour(s): N/A
provided the opportunity to participate in world affairs discussions and seminars, staff rides to military installations,	Tier II
museums, historic battlefields and monuments, panel discussions, community service projects, leadership labs,	
eadership camps, as well as participation in classroom discussion, and debate projects on local and world events.	
Students will gain a world-view perspective and a greater appreciation and understanding of culture, history and	
government.	
Instructional Materials: Provided by ROTC Department/Locally adopted textbook - Lookingbill's The American	
Military: A Narrative History, John Wiley Press, 2014, ISBN: 9781444337365 Prerequisites: Student must have completed JROTC I or seeking Humanities Endorsement.	
27erequisites. Student must have completed profit for seeking Humanities Endorsement. 233800## - 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42	
SPECIAL TOPICS IN SOCIAL STUDIES: ADVANCED WORLD HISTORY CA. 1500 AB	8053 AB
This course introduces students to the philosophy, themes, and perspectives that define the discipline of history as	Part A PEIMS: 03380002
well as cultivating the habits of mind and skills historians use to practice their art through a study of primary and	Part B PEIMS: 03380022
secondary texts that illuminate the history of world civilizations from prehistory to CA 1500. Students will be	
guided through a sophisticated curriculum that will (1) enhance their understanding of the patterns of human	
action that constitute civilization and culture building throughout time and (2) prepare them to consider the more	
contemporary world with an understanding of the history epochs that have preceded them.	
Instructional Material(s): No State Adopted Instructional Materials/World History and Geography from McGraw-	Grade level: 9
Hill/Materials integrated into the course curriculum/Contact the Social Studies Director	Credit(s): 1
<u>Prerequisites:</u> Concurrent enrollment in Honors English 1AB (VPA3090AB) or Honors English 2AB (VPA3092AB) <u>What's Next?</u> Honors World History 1AB (VPA8035AB)	College Hour(s): NA Tier 1
Offered ONLY at: IM Terrell VPA/STEM	ilei i
Core course as part of the Humanities Academy at IM Terrell sequence for graduation. Taken in place of World	
Geography Studies, successful completion of this course satisfies 1 of the 4 social studies credits the district requires	
for graduation. Students earning credit for this course must take World History Studies, United States History Studies,	
Government and Economics as the remaining 3 social studies credits to satisfy state graduation requirements.	
033800##- 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42	
Special Topics may be repeated with different topics for up to two state credits.	
DUAL CREDIT SPECIAL TOPICS IN SOCIAL STUDIES: GEOGRAPHY THEMES AND PERSPECTIVES A	8002 A
TWU Course: Social Justice (SSC 2360)	022000##
This course is a General Education Course within the Social Sciences designed as a collaboration between different disciplines. The intention is to provide you with a more holistic view looking at the world and your place within that	033800##
vorld.	
nstructional Material: TWU Personal Finance (FIN 1325)	Grade level: 9 - 12
<u>WISD Prerequisites:</u> None	Credit(s): 0.5
WU Prerequisites: None	College Hour(s): 3 hours
This course is offered as part of the Early College High School program at Dunbar High School. Course must be	Tier I
raught by an approved adjunct instructor. Special Topics may be repeated with different topics for up to two state	
redits. 033800##- 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42.	0CC2 AB
PEER ASSISTANCE & LEADERSHIP (PAL®) I AB	0662 AB N1290005
AL courses serve as a peer-mentoring program in which students are trained as peer facilitators on their campus and at feeder campuses. The courses provide field experience for students who are potentially interested in careers	141430003
n education and related helping professions. Positive peer influence will be utilized as a central strategy for	
addressing such issues as at-risk youth, dropout prevention, substance abuse prevention, teen pregnancy, suicide,	
absenteeism, low achievement, behavior problems, students with special needs and other areas of concern.	Grade level: 10-12
nstructional Material: No state-adopted instructional material(s)/Contact Social Studies Director	Credit(s): 1
Prerequisites: None	College Hour(s): NA
<u>Vhat's Next?</u> PALS II	Tier III
Course taught by PAL® Curriculum trained teachers. State elective graduation credit (Innovative Course). This course	
is not eligible for application toward the social studies humanities endorsement. Contact Social Studies with questions.	

PEER ASSISTANCE & LEADERSHIP (PAL®) II AB	0663 AB
PAL courses serve as a peer-mentoring program in which students are trained as peer facilitators on their campus and at feeder campuses. The course is an extension of PALS I where students will engage in service learning	N1290006
projects in addition to mentoring students. Leadership skills and tools are studied.	Grade level: 11-12
Instructional Material: No state-adopted instructional material(s)/Contact Social Studies Director	Credit(s): 1
<u>Prerequisites:</u> None	College Hour(s): NA
What's Next? NA	Tier III
Course taught by PAL® Curriculum trained teachers. State elective graduation credit (Innovative Course). This course is not eligible for application toward the social studies humanities endorsement. Contact Social Studies with questions.	

FINE/VISUAL & PERFORMING ARTS GRADUATION REQUIREMENTS

ALL STUDENTS ARE REQUIRED to take ONE Fine Arts credit

for all courses available within each category):

All Foundation Plans (22 & 26 credits) Fine Arts (1 credit) may be selected from the following categories (see chart on next page

Art Level I, II, III, IV

- Dance Level I, II, III, IV
- Music Level I, II, III, IV
- Music Studies
- Theatre Level I, II, III, IV
- Musical Theatre Level I, II, III, IV
- Technical Theatre Level I, II, III, IV
- Additional Courses

Courses identified as local credit only or state elective credit will not qualify as meeting the fine arts requirement.

College Board Advanced Placement and International Baccalaureate courses may be substituted for requirements in appropriate

Note: In order to progress to a Level II studio art course, the student must successfully complete either Level I, 1010 Art | AB or 1051 Honors Art | ABH or Art and Media Communications | 1093 AB.

A student must take both semesters of the same course to satisfy the one credit required for graduation.

Under the state Endorsement category for Arts and Humanities: A Fine Arts Endorsement may be completed by a coherent sequence of four credits by selecting courses from one or two categories or disciplines in Fine Arts. The course taken to complete the Fine Arts one credit requirement may also count as a course within an endorsement.

Example of **Fine Arts Endorsement** with a coherent sequence from **one category**:

- Art Level I
- Art Level II
- Art Level III
- Art Level IV

Example of **Fine Arts Endorsement** with a coherent sequence from **two categories**:

- Music Level I
- Music Level II
- Art Level I
- Art Level II

CLASSES THAT FULFILL THE ONE FINE ARTS CREDIT

A student must take both semesters of the same course to satisfy the one credit required for graduation. To receive an Arts & Humanities endorsement, a student must select a coherent sequence of four courses, subject to prerequisites, from one or two of the categories listed below:

	Level I	Level II	Level III	Level IV
Art	Art I Art Appreciation	Art II Drawing I Painting I Ceramics I Sculpture I Jewelry I Photography I	Art III Drawing II Painting II Ceramics II Sculpture II Jewelry II Photography II AP Studio Art: Drawing Portfolio AP Studio Art: Two-Dimensional Design Portfolio AP Studio Art: Three-Dimensional Design Portfolio AP Art History	Art IV Drawing III Painting III Ceramics III Sculpture III Jewelry III Photography III AP Studio Art: Drawing Portfolio AP Studio Art: Two- Dimensional Design Portfolio AP Studio Art: Three- Dimensional Design Portfolio AP Art History OnRamps Arts and Entertainment Technologies VPA Capstone
Dance	Principles of Dance I Dance and Media Communications I Jazz I Modern/Contemporary I Tap I Ballet I World Dance Forms I Dance Composition & Improvisation I Dance Wellness I Dance Production I Dance History I	Principles of Dance II Dance and Media Communications II Jazz II Modern/Contemporary II Tap II Ballet II World Dance Forms II Dance Performance & Ensemble II Dance Wellness II Dance Production II Dance History II	Principles of Dance III Jazz III Modern/Contemporary III Tap III Ballet III World Dance Forms III Dance Performance & Ensemble III Dance Wellness III Dance Production III	 Principles of Dance IV Jazz IV Modern/Contemporary IV Tap IV Ballet IV World Dance Forms IV Dance Performance & Ensemble IV Dance Wellness IV Dance Production IV VPA Capstone
Music	Band I Choir I Orchestra I Jazz Ensemble I Instrumental Ensemble I Vocal Ensemble I Mariachi I Piano I Guitar I Jazz Improvisation I World Music Ensemble I	Band II Choir II Orchestra II Jazz Ensemble II Instrumental Ensemble II Vocal Ensemble II Mariachi II Piano II Guitar II Jazz Improvisation II World Music Ensemble II	Band III Choir III Orchestra III Jazz Ensemble III Instrumental Ensemble III Vocal Ensemble III Mariachi III Piano III Guitar III Jazz Improvisation III World Music Ensemble III	Band IV Choir IV Orchestra IV Jazz Ensemble IV Instrumental Ensemble IV Vocal Ensemble IV Mariachi IV Piano IV Guitar IV Jazz Improvisation IV World Music Ensemble IV VPA Capstone
Music Studies	 Music Theory I Music Production I Music & Media	Music Theory II Music Production II Music & Media Communications II	Ethnomusicology Music & Movement	Ethnomusicology
Theatre	Theatre Arts I Theatre and Media Communications I Theatre Production I	Theatre Arts II Theatre and Media Communications II Theatre Production II	Theatre III Theatre Production III	Theater Arts IV Theatre Production IV VPA Capstone

	Level I	Level II	Level III	Level IV
Musical Theatre	Musical Theatre I	Musical Theatre II	Musical Theatre III	Musical Theatre IV VPA Capstone
Technical Theatre	Technical Theatre I	Technical Theatre II	Technical Theatre III	Technical Theater IV VPA Capstone
Additional Courses	 Principles and Elements of Floral Design Digital Art and Animation 3-D Modeling and Animation 			

Fine Arts

ALL fine arts courses must be taken for the full year.

VISUAL ARTS

	Level I - IV	Le	vel II- IV	Level III & IV	
Gener	al Art Courses	Specialized	d Art Courses	Advanced Placement	
Art I-IV	1010*, 1023, 1033, 1042	Ceramics	1022, 1024, 1026	AP Studio Art: Drawing Portfolio	1041
Art Apprecia	tion 1008*	Drawing	1012, 1037, 1076	AP Studio Art: Two-Dimensional	1010
Honors Art I	1051	Jewelry	1032, 1034, 1036	Design Portfolio	1043
	ents will have completed their	Painting	1016, 1029, 1080	AP Studio Art: Three-Dimensional Design Portfolio	1020
Art, Level I require	ement in 8th grade.	Photography	1018, 1030, 1084	AP Art History	1048
	rt I must be taken prior nore specialized Art II	Sculpture	1028, 1092, 1099		
studio course. Honors of based or successfi	course enrollment is n portfolio review and iul completion of ional skills assessment	Honors Art II	1025	AP Art Courses may be taken as Art Level III and/or A and/or Portfolio review and Art Teacher recommend	

Students must complete both A and B to receive state graduation credit for fine arts.

Honors Art courses are also available.

ART, LEVEL I, ART APPRECIATION AB	1008 AB
Art Appreciation introduces the visual arts to students with a focus on developing an understanding of art history	03500110
and culture by analyzing artistic styles, historical periods, and a variety of cultures. Students develop and expand	Grade level: 9 – 12
heir visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by	Credit(s): 1
earning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It	College Hour(s): NA
ffers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art	Tier III
nedia and tools in drawing, painting, printmaking, sculpture, ceramics, fiber art, design, and digital art and media.	
Students develop a portfolio of their artwork and acquire the skills to analyze the artworks of self and others. Art	
Appreciation is a two-semester sequence course with the first semester being a prerequisite to the second semester.	
<u>nstructional Material:</u> NA Prerequisites: None	
·	
What's Next? Any Art Level II specialized art courses HONORS ART, LEVEL I, ART APPRECIATION ABH	1009 ABH
Honors Art Appreciation introduces the visual arts to students with a focus on developing an understanding of art	03500110
nistory and culture by analyzing artistic styles, historical periods, and a variety of cultures. Students develop and	03300110
expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world	
by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It	
offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art	
nedia and tools in drawing, painting, printmaking, sculpture, ceramics, fiber art, design, and digital art and media.	Grade level: 9 – 12
Students develop a portfolio of their artwork and acquire the skills to analyze the artworks of self and others. Honors	Credit(s): 1
evel students will expand their art appreciation ability and understanding to a higher degree with a final project	College Hour(s): NA
related to the exploration of visual art forms and their relationship to culture, history, media, and society. Honors Art	Tier II
Appreciation is a two-semester sequence course with the first semester being a prerequisite to the second semester.	
Instructional Material: NA	
Prerequisites: Student interest	
What's Next? Any Art Level II specialized art courses Course taught by a locally certified gifted teacher.	
DUAL CREDIT ART, LEVEL I, ART APPRECIATION AB	1108 AB
FCC COURSE: Art Appreciation (ARTS 1301)	03500110
TWU COURSE: Basic Art (FAR 1311)	
Dual Credit Art Appreciation introduces the visual arts to students with a focus on developing an understanding of	ECHS Grade level: 9-12
art history and culture by analyzing artistic styles, historical periods, and a variety of cultures. Students develop and	Grade level: NA
expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world	Credit(s): 1
by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It	College Hour(s): 3
offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art	Tier I
media and tools in drawing, painting, printmaking, sculpture, ceramics, fiber art, design, and digital art and media.	
Students develop a portfolio of their artwork and acquire the skills to analyze the artworks of self and others. Honors	
level students will expand their art appreciation ability and understanding to a higher degree with a final project	
related to the exploration of visual art forms and their relationship to culture, history, media, and society. Dual Credit	
Art Appreciation is a one-semester course.	
nstructional Material: NA	
nstructional Material: NA -WISD & TCC Prerequisites: None	
nstructional Material: NA SWISD & TCC Prerequisites: None WU Prerequisites: Only offered at Dunbar	
nstructional Material <u>:</u> NA FWISD & TCC Prerequisites: None FWU <u>Prerequisites:</u> Only offered at Dunbar What's <u>Next?</u> NA Course taught by an approved District or adjunct instructor.	1010 AB
nstructional Material: NA EWISD & TCC Prerequisites: None EWU Prerequisites: Only offered at Dunbar What's Next? NA Course taught by an approved District or adjunct instructor. ART, LEVEL I, ART I AB	1010 AB 03500100
nstructional Material: NA EWISD & TCC Prerequisites: None EWU Prerequisites: Only offered at Dunbar What's Next? NA Course taught by an approved District or adjunct instructor. ART, LEVEL I, ART I AB Art I develops and expands visual literacy skills in students using critical thinking, imagination, and the senses to	1010 AB 03500100
Instructional Material: NA EWISD & TCC Prerequisites: None EWISD & TCC PREPARED	
Instructional Material: NA EWISD & TCC Prerequisites: None EWISD & TCC PREPARED & TCC	
Instructional Material: NA EWISD & TCC Prerequisites: None EWU Prerequisites: Only offered at Dunbar What's Next? NA Course taught by an approved District or adjunct instructor. ART, LEVEL I, ART I AB Art I develops and expands visual literacy skills in students using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art media and tools in drawing, painting, printmaking, sculpture, ceramics, fiber art,	
Instructional Material: NA EWISD & TCC Prerequisites: None EWU Prerequisites: Only offered at Dunbar What's Next? NA Course taught by an approved District or adjunct instructor. ART, LEVEL I, ART I AB Art I develops and expands visual literacy skills in students using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art media and tools in drawing, painting, printmaking, sculpture, ceramics, fiber art, design, and digital art and media while developing a portfolio of their artwork. Students develop an understanding	03500100
ART, LEVEL I, ART I AB Art I develops and expands visual literacy skills in students using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions hrough original artwork using art media and tools in drawing, painting, printmaking, sculpture, ceramics, fiber art, design, and digital art and media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability	03500100 Grade level: 9 – 12
ART, LEVEL I, ART I AB Art I develops and expands visual literacy skills in students using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art media and tools in drawing, painting, printmaking, sculpture, ceramics, fiber art, design, and digital art and media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Art I is a two-semester sequence course with the first	03500100 Grade level: 9 – 12 Credit(s): 1
ART, LEVEL I, ART I AB Art I develops and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art media and tools in drawing, painting, printmaking, sculpture, ceramics, fiber art, design, and digital art and media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Art I is a two-semester sequence course with the first semester being a prerequisite to the second semester. Instructional Material: eBook: The Visual Experience, Davis Publications; ISBN: 978-1-61528-328-6	03500100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
ART, LEVEL I, ART I AB Art I develops and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions hrough original artwork using art media and tools in drawing, painting, printmaking, sculpture, ceramics, fiber art, design, and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability or respond to and analyze the artworks of self and others. Art I is a two-semester sequence course with the first refereducibles: None	03500100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
ART, LEVEL I, ART I AB Art I develops and expands visual literacy skills in students using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of elesign, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art media and tools in drawing, painting, printmaking, sculpture, ceramics, fiber art, elesign, and digital art and media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability or respond to and analyze the artworks of self and others. Art I is a two-semester sequence course with the first emester being a prerequisite to the second semester. Instructional Material: eBook: The Visual Experience, Davis Publications; ISBN: 978-1-61528-328-6 Pererequisites: None What's Next? Any Art Level II specialized Art courses	03500100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III
ART, LEVEL I, ART I AB ACTION AND ACTION ACTIO	O3500100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III
Instructional Material: NA EWISD & TCC Prerequisites: None EWU Prerequisites: Only offered at Dunbar What's Next? NA Course taught by an approved District or adjunct instructor. ART, LEVEL I, ART I AB Art I develops and expands visual literacy skills in students using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art media and tools in drawing, painting, printmaking, sculpture, ceramics, fiber art, design, and digital art and media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Art I is a two-semester sequence course with the first semester being a prerequisite to the second semester. Instructional Material: eBook: The Visual Experience, Davis Publications; ISBN: 978-1-61528-328-6 Pererequisites: None What's Next? Any Art Level II specialized Art courses HONORS ART, LEVEL I, ART I ABH Honors Art I develops and expands visual literacy skills in students using critical thinking, imagination, and the	03500100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III
Instructional Material: NA EWISD & TCC Prerequisites: None EWU Prerequisites: Only offered at Dunbar What's Next? NA Course taught by an approved District or adjunct instructor. ART, LEVEL I, ART I AB Art I develops and expands visual literacy skills in students using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art media and tools in drawing, painting, printmaking, sculpture, ceramics, fiber art, design, and digital art and media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Art I is a two-semester sequence course with the first semester being a prerequisite to the second semester. Instructional Material: eBook: The Visual Experience, Davis Publications; ISBN: 978-1-61528-328-6 Pererequisites: None What's Next? Any Art Level II specialized Art courses HONORS ART, LEVEL I, ART I ABH Honors Art I develops and expands visual literacy skills in students using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art,	03500100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 1051 ABH 03500100
Instructional Material: NA FWISD & TCC Prerequisites: None IWU Prerequisites: Only offered at Dunbar What's Next? NA Course taught by an approved District or adjunct instructor. ART, LEVEL I, ART I AB Art I develops and expands visual literacy skills in students using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art media and tools in drawing, painting, printmaking, sculpture, ceramics, fiber art, design, and digital art and media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Art I is a two-semester sequence course with the first semester being a prerequisite to the second semester. Instructional Material: eBook: The Visual Experience, Davis Publications; ISBN: 978-1-61528-328-6 Pererequisites: None What's Next? Any Art Level II specialized Art courses HONORS ART, LEVEL I, ART I ABH Honors Art I develops and expands visual literacy skills in students using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or	O3500100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III
Instructional Material: NA FWISD & TCC Prerequisites: None TWU Prerequisites: Only offered at Dunbar What's Next? NA Course taught by an approved District or adjunct instructor. ART, LEVEL I, ART I AB Art I develops and expands visual literacy skills in students using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art media and tools in drawing, painting, printmaking, sculpture, ceramics, fiber art, design, and digital art and media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Art I is a two-semester sequence course with the first semester being a prerequisite to the second semester. Instructional Material: eBook: The Visual Experience, Davis Publications; ISBN: 978-1-61528-328-6 Prerequisites: None What's Next? Any Art Level II specialized Art courses HONORS ART, LEVEL I, ART I ABH Honors Art I develops and expands visual literacy skills in students using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art media and tools in drawing, painting, printmaking, sculpture,	03500100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 1051 ABH 03500100 Grade level: 9 – 12 Credit(s): 1
Instructional Material: NA EMISD & TCC Prerequisites: None EMU Prerequisites: Only offered at Dunbar Mat's Next? NA Course taught by an approved District or adjunct instructor. ART, LEVEL I, ART I AB Art I develops and expands visual literacy skills in students using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art media and tools in drawing, painting, printmaking, sculpture, ceramics, fiber art, design, and digital art and media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Art I is a two-semester sequence course with the first semester being a prerequisite to the second semester. Instructional Material: eBook: The Visual Experience, Davis Publications; ISBN: 978-1-61528-328-6 Pererequisites: None What's Next? Any Art Level II specialized Art courses HONORS ART, LEVEL I, ART I ABH Honors Art I develops and expands visual literacy skills in students using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art media and tools in drawing, painting, printmaking, sculpture, teramics, fiber art, design, and digital art and media. Students create a portfolio with rigorous assignments. Students	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 1051 ABH 03500100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
Instructional Material: NA EWISD & TCC Prerequisites: None EWU Prerequisites: Only offered at Dunbar What's Next? NA Course taught by an approved District or adjunct instructor. ART, LEVEL I, ART I AB Art I develops and expands visual literacy skills in students using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions schrough original artwork using art media and tools in drawing, painting, printmaking, sculpture, ceramics, fiber art, design, and digital art and media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Art I is a two-semester sequence course with the first semester being a prerequisite to the second semester. Instructional Material: eBook: The Visual Experience, Davis Publications; ISBN: 978-1-61528-328-6 Pererequisites: None What's Next? Any Art Level II specialized Art courses HONORS ART, LEVEL I, ART I ABH Honors Art I develops and expands visual literacy skills in students using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, porinciples of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art media and tools in drawing, painting, printmaking, sculpture, teramics, fiber art, design, and digital art and media. Students create a portfolio with rigorous assignments. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of	03500100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 1051 ABH 03500100 Grade level: 9 – 12 Credit(s): 1
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Instructional Material: eBook: The Visual Experience, Davis Publications; ISBN: 978-1-61528-328-6	
Prerequisites: Evaluation of student portfolio/teacher recommendation	
What's Next? Any Art Level II specialized Art course	
Course taught by a locally certified gifted or AP trained teacher. This course serves as an Honors course.	
DUAL CREDIT ART, LEVEL I, ART I AB	1011 AB
TCC Course: Design I (2-Dimensional) (ARTS 1311)	
Dual Credit Art I develops and expands visual literacy skills in students using critical thinking, imagination, and the	03500100
senses to observe and explore the world by learning about, understanding, and applying the elements of art,	FCLIC Constal Levels 0, 12
principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art media and tools in drawing, painting, printmaking, photography,	ECHS Grade level: 9-12 Grade level: NA
design, and digital art and media. Students create a portfolio with rigorous assignments. Students develop an	Credit(s): 1
understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as	College Hour(s): 3
well as the ability to respond to and analyze the artworks of self and others. Dual Credit Art I is a one-semester	Tier I
course.	
Instructional Material: NA	
FWISD & TCC Prerequisites: None	
What's Next? Design II	
Course taught by an approved District or adjunct instructor.	
ART, LEVEL II, ART II AB	1023 AB
Art II develops and expands visual literacy skills using critical thinking, imagination, and the senses to observe and	03500200
explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through	
original artwork using art media and tools in drawing, painting, printmaking, sculpture, ceramics, fiber art, jewelry,	
mixed media, photography, and digital art and media while developing a portfolio of their artwork. Students	Grade level: 9 – 12
develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of	Grade level. 3 12
cultures, as well as the ability to respond to and analyze the artworks of self and others. Art II is a two-semester	
sequence course with the first semester being a prerequisite to the second semester.	
Instructional Material: eBook: The Visual Experience, Davis Publications; ISBN: 978-1-61528-328-6	Credit(s): 1
Prerequisites: Art I	College Hour(s): NA
What's Next? Art III or any specialized Level II Art course	Tier III
HONORS ART, LEVEL II, ART II ABH	1025 ABH
Honors Art II develops and expands visual literacy skills using critical thinking, imagination, and the senses to	03500200
observe and explore the world by learning about, understanding, and applying the elements of art, principles of	
design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art media and tools in drawing, painting, printmaking, sculpture, ceramics, fiber art,	
jewelry, mixed media, photography, and digital art and media while developing a portfolio of their artwork. Students	
develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of	
cultures, as well as the ability to respond to and analyze the artworks of self and others. Honors Art II provides	
advanced art instruction to understand sustained investigation, selected works, and written evidence. Art II is a two-	
semester sequence course with the first semester being a prerequisite to the second semester.	
Instructional Material: eBook: The Visual Experience, Davis Publications; ISBN: 978-1-61528-328-6 Textbook: 1201 -	Grade level: 10 – 12
The Visual Experience, Davis Publications; ISBN: 978-0-87192-627-2	Credit(s): 1
	_ `´
Prerequisites: Honors Art Level I, Art Portfolio and teacher recommendation	College Hour(s): NA
What's Next? Honors Art Level III, Advanced Placement Art, or any specialized Level II Art course	College Hour(s): NA Tier II
What's Next? Honors Art Level III, Advanced Placement Art, or any specialized Level II Art course Course taught by a locally certified gifted or AP trained teacher. This course serves as an Honors course.	Tier II
What's Next? Honors Art Level III, Advanced Placement Art, or any specialized Level II Art course Course taught by a locally certified gifted or AP trained teacher. This course serves as an Honors course. DUAL CREDIT ART, LEVEL II, ART II AB	•
What's Next? Honors Art Level III, Advanced Placement Art, or any specialized Level II Art course Course taught by a locally certified gifted or AP trained teacher. This course serves as an Honors course. DUAL CREDIT ART, LEVEL II, ART II AB TCC Course: Design II (3-Dimensional) (ARTS 1312)	Tier II 1147 AB
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What's Next? Honors Art Level III, Advanced Placement Art, or any specialized Level II Art course Course taught by a locally certified gifted or AP trained teacher. This course serves as an Honors course. DUAL CREDIT ART, LEVEL II, ART II AB TCC Course: Design II (3-Dimensional) (ARTS 1312) Dual Credit Art II develops and expands visual literacy skills using critical thinking, imagination, and the senses to	1147 AB 03501210 ECHS Grade level: 9-12
What's Next? Honors Art Level III, Advanced Placement Art, or any specialized Level II Art course Course taught by a locally certified gifted or AP trained teacher. This course serves as an Honors course. DUAL CREDIT ART, LEVEL II, ART II AB TCC Course: Design II (3-Dimensional) (ARTS 1312) Dual Credit Art II develops and expands visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions	1147 AB 03501210
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What's Next? Honors Art Level III, Advanced Placement Art, or any specialized Level II Art course Course taught by a locally certified gifted or AP trained teacher. This course serves as an Honors course. DUAL CREDIT ART, LEVEL II, ART II AB TCC Course: Design II (3-Dimensional) (ARTS 1312) Dual Credit Art II develops and expands visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art media and tools in sculpture, ceramics, fiber art, jewelry, mixed media, while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Dual Credit Art II is a one-semester course. Instructional Material: N/A	Tier II 1147 AB 03501210 ECHS Grade level: 9-12 Grade level: NA Credit(s): 1 College Hour(s): 3
What's Next? Honors Art Level III, Advanced Placement Art, or any specialized Level II Art course Course taught by a locally certified gifted or AP trained teacher. This course serves as an Honors course. DUAL CREDIT ART, LEVEL II, ART II AB TCC Course: Design II (3-Dimensional) (ARTS 1312) Dual Credit Art II develops and expands visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art media and tools in sculpture, ceramics, fiber art, jewelry, mixed media, while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Dual Credit Art II is a one-semester course. Instructional Material: NA FWISD & TCC Prerequisites: ARTS 1311	Tier II 1147 AB 03501210 ECHS Grade level: 9-12 Grade level: NA Credit(s): 1 College Hour(s): 3
What's Next? Honors Art Level III, Advanced Placement Art, or any specialized Level II Art course Course taught by a locally certified gifted or AP trained teacher. This course serves as an Honors course. DUAL CREDIT ART, LEVEL II, ART II AB TCC Course: Design II (3-Dimensional) (ARTS 1312) Dual Credit Art II develops and expands visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art media and tools in sculpture, ceramics, fiber art, jewelry, mixed media, while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Dual Credit Art II is a one-semester course. Instructional Material: NA FWISD & TCC Prerequisites: ARTS 1311 What's Next? NA	Tier II 1147 AB 03501210 ECHS Grade level: 9-12 Grade level: NA Credit(s): 1 College Hour(s): 3
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What's Next? Honors Art Level III, Advanced Placement Art, or any specialized Level II Art course Course taught by a locally certified gifted or AP trained teacher. This course serves as an Honors course. DUAL CREDIT ART, LEVEL II, ART II AB TCC Course: Design II (3-Dimensional) (ARTS 1312) Dual Credit Art II develops and expands visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art media and tools in sculpture, ceramics, fiber art, jewelry, mixed media, while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Dual Credit Art II is a one-semester course. Instructional Material: NA FWISD & TCC Prerequisites: ARTS 1311 What's Next? NA Course taught by an approved District or adjunct instructor. ART, LEVEL III, ART III AB Art III expands visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers an advanced level opportunity to communicate thoughts, feelings, ideas, or impressions through	Tier II 1147 AB 03501210 ECHS Grade level: 9-12 Grade level: NA Credit(s): 1 College Hour(s): 3 Tier I
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What's Next? Honors Art Level III, Advanced Placement Art, or any specialized Level II Art course Course taught by a locally certified gifted or AP trained teacher. This course serves as an Honors course. DUAL CREDIT ART, LEVEL II, ART II AB TCC Course: Design II (3-Dimensional) (ARTS 1312) Dual Credit Art II develops and expands visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork using art media and tools in sculpture, ceramics, fiber art, jewelry, mixed media, while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Dual Credit Art II is a one-semester course. Instructional Material: NA EWISD & TCC Prerequisites: ARTS 1311 What's Next? NA Course taught by an approved District or adjunct instructor. ART, LEVEL III, ART III AB Art III expands visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers an advanced level opportunity to communicate thoughts, feelings, ideas, or impressions through original artwork. It emphasizes the processes and techniques in using art media and tools in drawing, painting,	Tier II 1147 AB 03501210 ECHS Grade level: 9-12 Grade level: NA Credit(s): 1 College Hour(s): 3 Tier I

artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Art III is a two-semester sequence course with the first semester being a prerequisite to	Credit(s): 1 College Hour(s): NA
the second semester. <u>nstructional Material:</u> eBook: The Visual Experience, Davis Publications; ISBN: 978-1-61528-328-6	Tier III
<u>Prerequisites:</u> Art Level II <u>What's Next?</u> Art level IV, Advanced Placement Art or any specialized Level II Art course	
HONORS ART, LEVEL III, ART III ABH	1035 AB/H
Honors Art III expands visual literacy skills using critical thinking, imagination, and the senses to observe and explore	03500300
the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers an advanced level opportunity to communicate thoughts, feelings, ideas, or impressions through	Grade level: 10 – 12
priginal artwork. It emphasizes the processes and techniques in using art media and tools in drawing, painting,	Credit(s): 1
printmaking, sculpture, ceramics, fiber art, jewelry, mixed media, photography, and digital art and media. Students create a portfolio with rigorous assignments. Students develop an understanding of art history and culture by	College Hour(s): NA Tier II
analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Honors Art III is a two-semester sequence course with the first semester being a	
prerequisite to the second semester.	
nstructional Material: eBook: The Visual Experience, Davis Publications; ISBN: 978-1-61528-328-6 Prerequisites: Art Level II	
<u>What's Next?</u> Art level IV, Advanced Placement Art or any specialized Level II Art course Course taught by a locally certified gifted teacher.	
ART, LEVEL IV, ART IV AB	1042 AB
Art IV further expands visual literacy skills using critical thinking, imagination, and the senses to observe and explore	03500400
the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers an advanced level opportunity to communicate thoughts, feelings, ideas, or impressions through	
original artwork. It emphasizes the advanced processes and techniques in using art media and tools in drawing,	
painting, printmaking, sculpture, ceramics, fiber art, jewelry, mixed media, photography, and digital art and media	
while developing a portfolio of their artwork. Students develop an understanding of art history and culture by	Grade level: 11 – 12
analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze he artworks of self and others. Art IV is a two-semester sequence course with the first semester being a prerequisite	Credit(s): 1
o the second semester.	College Hour(s): NA Tier III
nstructional Material: eBook: The Visual Experience, Davis Publications; ISBN: 978-1-61528-328-6 Prerequisites: Art Level III	
What's Next? Advanced Placement Art or any Level III specialized Art course	
HONORS ART, LEVEL IV, ART IV ABH	1045 ABH
Honors Art IV further expands visual literacy skills using critical thinking, imagination, and the senses to observe and	03500400
explore the world by learning about, understanding, and applying the elements of art, principles of design, and	
expressive qualities. It offers an advanced level opportunity to communicate thoughts, feelings, ideas, or impressions	Grade level: 11 – 12
through original artwork. It emphasizes the advanced processes and techniques in using art media and tools in	Credit(s): 1
drawing, painting, printmaking, sculpture, ceramics, fiber art, jewelry, mixed media, photography, and digital art and	College Hour(s): NA
media. Students create a portfolio with rigorous assignments and demonstrate grown in skill level. Students develop	Tier II
an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Honors Art IV is a two-semester	
sequence course with the first semester being a prerequisite to the second semester.	
nstructional Material: eBook: The Visual Experience, Davis Publications; ISBN: 978-1-61528-328-6	
Prerequisites: Art Level III	
<u>What's Next?</u> Advanced Placement Art or any Level III specialized Art course	
Course taught by a locally certified gifted teacher. OnRAMPS ART IV, ARTS AND ENTERTAINMENT TECHNOLOGIES AB OR	1073 AB
This course presents a broad overview of digital media technologies, software, and applications along with the	03503220
fundamental concepts of digital representations of images and signals. Students study an assortment of	
entertainment concepts and experiences, discover the underlying technology involved, and learn how this sechnology is delivered to the participant. Students also consider the cultural, philosophical, ethical, and practical	Grade level: 11-12 Credit(s): 1
aspects of entertainment technology. Using a hybrid delivery approach, students meet rigorous university-level	College Hour(s): 3
college readiness standards and have the opportunity to earn UT Austin credit from a UT faculty member and a high school credit from their local teacher.	Tier I
nstructional Material: Selected and provided by the University of Texas at Austin	
<u>Prerequisites:</u> Art 1 (1010AB); or Art & Media Communications (1093AB/1095ABH); and basic computer literacy <u>What's Next?</u> Any Level IV specialized course or Advanced Placement Art course	
Only offered at I.M Terrell VPA	
ART, LEVEL II, CERAMICS I AB	1022 AB
Ceramics I is an in-depth exploration of clay construction to produce functional and sculptural artwork. Students develop and expand their visual literacy skills using critical thinking, imagination, and the senses to observe and	03500900
explore the world by learning about, understanding, and applying the elements of art, principles of design, and	C
	Grade level: 9 – 12
expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original ceramic artwork in pinch, coil, and slab processes while developing a digital portfolio of their artwork.	Credit(s): 1

Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a College Hour(s): NA variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Ceramics I is a Tier III two-semester sequence course with the first semester being a prerequisite to the second semester. Instructional Material: eBook: Experience Clay, Davis Publications; ISBN: 978-1-61528-326-2 Prerequisites: Art I What's Next? Ceramics II; AP Three-Dimensional Design Art Portfolio, any specialized Level II art course HONORS ART, LEVEL II, CERAMICS I ABH 1081 ABH Honors Ceramics I is an in-depth exploration of clay construction to produce functional and sculptural artwork. 03500900 Students develop and expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original ceramic artwork in pinch, coil, and slab processes. Students create a digital portfolio with rigorous assignments. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Honors Ceramics I is a two-semester sequence course with the first semester being a prerequisite to the second Instructional Material: eBook: Experience Clay, Davis Publications; ISBN: 978-1-61528-326-2 Textbook: 1204 – Grade level: 9 – 12 Experience Clay, Davis Publications; ISBN: 978-1-61528-030-8 Credit(s): 1 Prerequisites: Art I College Hour(s): NA What's Next? Ceramics II; AP Three-Dimensional Design Art Portfolio, any specialized Level II art course Tier II Course taught by a locally certified gifted teacher. **DUAL CREDIT ART, LEVEL II, CERAMICS I AB** 1122 AB 03500900 TCC Course: Ceramics I (ARTS 2346) Dual Credit Ceramics I is an in-depth exploration of clay construction to produce functional and sculptural artwork. Students develop and expand their visual literacy skills using critical thinking, imagination, and the senses to observe Grade level: 9 – 12 and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through ECHS Grade level: 9-12 original ceramic artwork in pinch, coil, and slab processes. Students create a digital portfolio with rigorous Credit(s): 1 assignments. Students develop an understanding of art history and culture by analyzing artistic styles, historical College Hour(s): 3 periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Tier I Dual Credit Ceramics I is a one-semester sequence course. Instructional Material: NA FWISD Prerequisites: Art I TCC Prerequisites: None What's Next? NA Course taught by an approved District or adjunct instructor. **ART, LEVEL III, CERAMICS II AB** 1024 AB 03501800 Ceramics II is an in-depth exploration of clay construction to produce functional and sculptural artwork. Students expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original ceramic artwork in Grade level: 10 - 12 pinch, coil, and slab processes. Student explore specialized glazing techniques and glass applications all while Credit(s): 1 developing a digital portfolio of their artwork. Students develop an understanding of art history and culture by College Hour(s): NA analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze Tier III the artworks of self and others. Ceramics II is a two-semester sequence course with the first semester being a prerequisite to the second semester. Instructional Material: eBook: Experience Clay, Davis Publications; ISBN: 978-1-61528-326-2 Prerequisites: Ceramics I What's Next? Ceramics III, AP Three-Dimensional Design Art Portfolio, any specialized Level II Art course HONORS ART, LEVEL III, CERAMICS II ABH 1083 ABH Honors Ceramics II is an in-depth exploration of clay construction to produce functional and sculptural artwork. 03501800 Students expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original ceramic Grade level: 10 - 12 artwork in pinch, coil, and slab processes. Student explore specialized glazing techniques and glass applications all Credit(s): 1 while developing a digital portfolio of their artwork comprising of rigorous assignments. Students develop an College Hour(s): NA understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as Tier II well as the ability to respond to and analyze the artworks of self and others. Honors Ceramics II is a two-semester sequence course with the first semester being a prerequisite to the second semester.

<u>Instructional Material:</u> eBook: Experience Clay, Davis Publications; ISBN: 978-1-61528-326-2

Prerequisites: Ceramics I; Evaluation of student portfolio and teacher recommendation

What's Next? Ceramics III, AP Three-Dimensional Design Art Portfolio, any specialized Level II Art course

Course taught by a locally certified gifted teacher.

DUAL CREDIT ART, LEVEL III, CERAMICS II AB TCC Course: Ceramics II (ARTS 2347)	1124 AB
Dual Credit Ceramics II (AKTS 2347) Dual Credit Ceramics II is an in-depth exploration of clay construction to produce functional and sculptural artwork. Students expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive	03501800
qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original ceramic artwork in pinch, coil, and slab processes. Student explore specialized glazing techniques and glass applications all while developing a digital portfolio of their artwork comprising of rigorous assignments. Students develop an	ECHS Grade level: 10-12 Grade level: 10 – 12 Credit(s): 1
understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Dual Credit Ceramics II is a one-	College Hour(s): 3 Tier I
semester course that is a continuation of ARTS 2346. Instructional Material: NA	
FWISD Prerequisites: Ceramics I	
TCC Prerequisites: None	
What's Next? NA	
Course taught by an approved District or adjunct instructor. ART, LEVEL IV, CERAMICS III AB	1026 AB
Ceramics III is an in-depth exploration of clay construction to produce functional and sculptural artwork which	03502700
represent the personal style of the student. Students further expand their visual literacy skills using critical thinking, magination, and the senses to observe and explore the world by learning about, understanding, and applying the	03302700
elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts,	Grade level: 11 – 12
eelings, ideas, or impressions through original ceramic artwork in pinch, coil, and slab processes. Student explore	Credit(s): 1
pecialized glazing techniques and glass applications all while developing a digital portfolio of their artwork.	College Hour(s): NA
Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Ceramics IV is a	Tier III
wo-semester sequence course with the first semester being a prerequisite to the second semester.	
nstructional Material: eBook: Experience Clay, Davis Publications; ISBN: 978-1-61528-326-2	
Prerequisites: Ceramics II; Evaluation of student portfolio/teacher recommendation	
What's Next? AP Three-Dimensional Design Art Portfolio or any specialized Level II Art course	
ONORS ART, LEVEL IV, CERAMICS III ABH	1085 ABH
Honors Ceramics III is an in-depth exploration of clay construction to produce functional and sculptural artwork which represent the personal style of the student. Students further expand their visual literacy skills using critical	03502700 Grade level: 11 – 12
hinking, imagination, and the senses to observe and explore the world by learning about, understanding, and pplying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate	
houghts, feelings, ideas, or impressions through original ceramic artwork in pinch, coil, and slab processes. Student explore specialized glazing techniques and glass applications all while developing a digital portfolio of their artwork	
comprising of rigorous assignments. Students develop an understanding of art history and culture by analyzing	
artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the	
artworks of self and others. Honors Ceramics IV is a two-semester sequence course with the first semester being a	
orerequisite to the second semester. nstructional Material: eBook: Experience Clay, Davis Publications; ISBN: 978-1-61528-326-2	Credit(s): 1
Prerequisites: Ceramics II; Evaluation of student portfolio and teacher recommendation	College Hour(s): NA
<u>What's Next?</u> AP Three-Dimensional Design Art Portfolio or any specialized Level II Art course	Tier II
Course taught by a locally certified gifted teacher	
ART, LEVEL II, DRAWING I AB	1012 AB
Drawing I is an in-depth exploration of the fundamentals of drawing. Students develop and expand their visual teracy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about,	03500500
Drawing I is an in-depth exploration of the fundamentals of drawing. Students develop and expand their visual teracy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, inderstanding, and applying the elements of art, principles of design, and expressive qualities. It offers the	03500500
Drawing I is an in-depth exploration of the fundamentals of drawing. Students develop and expand their visual teracy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, inderstanding, and applying the elements of art, principles of design, and expressive qualities. It offers the apportunity to communicate thoughts, feelings, ideas, or impressions through original drawn artwork in a variety of media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by	03500500 Grade level: 9 – 12
Drawing I is an in-depth exploration of the fundamentals of drawing. Students develop and expand their visual teracy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the apportunity to communicate thoughts, feelings, ideas, or impressions through original drawn artwork in a variety of media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by nalyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze	Grade level: 9 – 12 Credit(s): 1
Drawing I is an in-depth exploration of the fundamentals of drawing. Students develop and expand their visual teracy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, inderstanding, and applying the elements of art, principles of design, and expressive qualities. It offers the apportunity to communicate thoughts, feelings, ideas, or impressions through original drawn artwork in a variety of media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by nalyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Drawing I is a two-semester sequence course with the first semester being a	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
brawing I is an in-depth exploration of the fundamentals of drawing. Students develop and expand their visual teracy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, inderstanding, and applying the elements of art, principles of design, and expressive qualities. It offers the apportunity to communicate thoughts, feelings, ideas, or impressions through original drawn artwork in a variety of nedia while developing a portfolio of their artwork. Students develop an understanding of art history and culture by nalyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Drawing I is a two-semester sequence course with the first semester being a interequisite to the second semester.	Grade level: 9 – 12 Credit(s): 1
Drawing I is an in-depth exploration of the fundamentals of drawing. Students develop and expand their visual teracy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, inderstanding, and applying the elements of art, principles of design, and expressive qualities. It offers the apportunity to communicate thoughts, feelings, ideas, or impressions through original drawn artwork in a variety of media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by nalyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Drawing I is a two-semester sequence course with the first semester being a prerequisite to the second semester. Instructional Material: NA	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
Drawing I is an in-depth exploration of the fundamentals of drawing. Students develop and expand their visual teracy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, inderstanding, and applying the elements of art, principles of design, and expressive qualities. It offers the apportunity to communicate thoughts, feelings, ideas, or impressions through original drawn artwork in a variety of media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by malyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Drawing I is a two-semester sequence course with the first semester being a rerequisite to the second semester. Instructional Material: NA rerequisites: Art I	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
Drawing I is an in-depth exploration of the fundamentals of drawing. Students develop and expand their visual teracy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the apportunity to communicate thoughts, feelings, ideas, or impressions through original drawn artwork in a variety of media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Drawing I is a two-semester sequence course with the first semester being a prerequisite to the second semester. Instructional Material: NA Prerequisites: Art I What's Next? Drawing II or any specialized Level II course	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
Orawing I is an in-depth exploration of the fundamentals of drawing. Students develop and expand their visual interacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original drawn artwork in a variety of media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Drawing I is a two-semester sequence course with the first semester being a prerequisite to the second semester. Instructional Material: NA Prerequisites: Art I What's Next? Drawing II or any specialized Level II course HONORS ART, LEVEL II, DRAWING I ABH Honors Drawing I is an in-depth exploration of the fundamentals of drawing. Students develop and expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III
Orawing I is an in-depth exploration of the fundamentals of drawing. Students develop and expand their visual teracy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, inderstanding, and applying the elements of art, principles of design, and expressive qualities. It offers the apportunity to communicate thoughts, feelings, ideas, or impressions through original drawn artwork in a variety of media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by nalyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Drawing I is a two-semester sequence course with the first semester being a prerequisite to the second semester. Instructional Material: N/A rerequisites: Art I What's Next? Drawing II or any specialized Level II course HONORS ART, LEVEL II, DRAWING I ABH Honors Drawing I is an in-depth exploration of the fundamentals of drawing. Students develop and expand their isual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning bout, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III
Drawing I is an in-depth exploration of the fundamentals of drawing. Students develop and expand their visual steracy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the apportunity to communicate thoughts, feelings, ideas, or impressions through original drawn artwork in a variety of media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by inalyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Drawing I is a two-semester sequence course with the first semester being a prerequisite to the second semester. Instructional Material: N/A Prerequisites: Art I What's Next? Drawing II or any specialized Level II course HONORS ART, LEVEL II, DRAWING I ABH Honors Drawing I is an in-depth exploration of the fundamentals of drawing. Students develop and expand their isual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the apportunity to communicate thoughts, feelings, ideas, or impressions through original drawn artwork in a variety of	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III
Drawing I is an in-depth exploration of the fundamentals of drawing. Students develop and expand their visual interacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original drawn artwork in a variety of media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by inalyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Drawing I is a two-semester sequence course with the first semester being a porterequisite to the second semester. Instructional Material: NA Prerequisites: Art I What's Next? Drawing II or any specialized Level II course HONORS ART, LEVEL II, DRAWING I ABH Honors Drawing I is an in-depth exploration of the fundamentals of drawing. Students develop and expand their risual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original drawn artwork in a variety of media while developing a portfolio of their artwork comprising of rigorous assignments Students develop an	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III
Drawing I is an in-depth exploration of the fundamentals of drawing. Students develop and expand their visual iteracy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original drawn artwork in a variety of media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Drawing I is a two-semester sequence course with the first semester being a portrequisite to the second semester. Instructional Material: NA Perequisites: Art I What's Next? Drawing II or any specialized Level II course HONORS ART, LEVEL II, DRAWING I ABH Honors Drawing I is an in-depth exploration of the fundamentals of drawing. Students develop and expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original drawn artwork in a variety of media while developing a portfolio of their artwork comprising of rigorous assignments Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Honors Drawing I is a two-semester	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III

Instructional Material: NA	Grade level: 9 - 12
Prerequisites: Art I; Evaluation of student portfolio and teacher recommendation	Credit(s): 1
<u>What's Next?</u> Drawing II or any specialized Level II course Course taught by a locally certified gifted teacher	College Hour(s): NA Tier II
DUAL CREDIT ART, LEVEL II, DRAWING I AB	1112 AB
TCC Course: Drawing I (ARTS 1316)	1112 //5
Dual Credit Drawing I is an in-depth exploration of the fundamentals of drawing with emphasis on descriptive,	03500500
expressive and conceptual approaches. Students develop and expand their visual literacy skills using critical thinking,	
imagination, and the senses to observe and explore the world by learning about, understanding, and applying the	ECHS Grade Level: 10-12
elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts,	Grade level: NA
feelings, ideas, or impressions through original drawn artwork in a variety of media and techniques while developing a portfolio of their artwork comprising of rigorous assignments Students develop an understanding of art history	Credit(s): 1 College Hour(s): 3
and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to	Tier I
and analyze the artworks of self and others. Dual Credit Drawing I is a one-semester course.	
Instructional Material: NA	
FWISD Prerequisites: Art I	
TCC Prerequisites: None What's Next? NA	
Course taught by an approved District or adjunct instructor.	
ART, LEVEL III, DRAWING II AB	1037 AB
Drawing II provides advanced training in the specialized area of drawing. Students expand their visual literacy skills	03501300
using critical thinking, imagination, and the senses to observe and explore the world by learning about,	
understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the	
opportunity to communicate thoughts, feelings, ideas, or impressions through original drawn artwork in a variety of	
media including ink, pencil, conté, charcoal, colored pencils, and other media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods,	Grade level: 10- 12
and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Drawing II is	Credit(s): 1
a two-semester sequence course with the first semester being a prerequisite to the second semester.	College Hour(s): NA
Instructional Material: NA	Tier III
Prerequisites: Art I and Drawing II	
What's Next? Drawing III or any specialized Level II Art course, AP Drawing, or AP Design HONORS ART, LEVEL III, DRAWING II ABH	1055 ABH
Honors Drawing II provides advanced training in the specialized area of drawing. Students expand their visual	03501300
literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about,	03301300
understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the	
opportunity to communicate thoughts, feelings, ideas, or impressions through original drawn artwork in a variety of	
media including ink, pencil, conté, charcoal, colored pencils, and other media while developing a portfolio of their	
artwork comprising of rigorous assignments. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze	
the artworks of self and others. Honors Drawing II is a two-semester sequence course with the first semester being a	
prerequisite to the second semester.	
Instructional Material: NA	Grade level: 10 - 12
Prerequisites: Art I, Drawing II; Evaluation of student portfolio/teacher recommendation	Credit(s): 1
<u>What's Next?</u> Drawing III or any specialized Level II Art course, AP Drawing, or AP Design Course taught by a locally certified gifted teacher	College Hour(s): NA Tier II
DUAL CREDIT ART, LEVEL III, DRAWING II AB	1137 AB
TCC Course: Drawing II (ARTS 1317)	03501300
Dual Credit Drawing II provides advanced training in the specialized area of drawing emphasis on descriptive,	
expressive and conceptual approaches. Students expand their visual literacy skills using critical thinking, imagination,	
and the senses to observe and explore the world by learning about, understanding, and applying the elements of	
art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas,	ECHS Grade level: 10 – 12
or impressions through original drawn artwork in a variety of media including ink, pencil, conté, charcoal, colored pencils, and other media while developing a portfolio of their artwork comprising of rigorous assignments. Students	Grade level: 10 – 12 Credit(s): 1
develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of	College Hour(s): 3
cultures, as well as the ability to respond to and analyze the artworks of self and others. Dual Credit Drawing II is a	Tier I
two-semester sequence course with the first semester being a prerequisite to the second semester.	
Instructional Material: NA	
<u>FWISD Prerequisites:</u> Art I, Drawing II <u>What's Next?</u> NA	
<u>what's Next?</u> NA Course taught by an approved District or adjunct instructor.	
ART, LEVEL IV, DRAWING III AB	1076 AB
Drawing III provides advanced training in the specialized area of drawing to introduce students to individual	03502300
problems and styles in drawing. Students further expands their visual literacy skills using critical thinking,	
imagination, and the senses to observe and explore the world by learning about, understanding, and applying the	
elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts,	

feelings, ideas, or impressions through original drawn artwork in a variety of media including ink, pencil, conté,	
charcoal, colored pencils, and other media while developing a portfolio of their artwork. Students develop an	Grade level: 11 – 12
understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as	Credit(s): 1
well as the ability to respond to and analyze the artworks of self and others. Drawing III is a two-semester sequence	College Hour(s): NA
course with the first semester being a prerequisite to the second semester.	Tier III
Instructional Material: NA	
Prerequisites: Art, Level III, Drawing II	
What's Next? Any specialized Level II Art course, AP Drawing, or AP Design	
HONORS ART, LEVEL IV, DRAWING III ABH	1078 ABH
Honors Drawing III provides advanced training in the specialized area of drawing to introduce students to individual	03502300
problems and styles in drawing. Students further expands their visual literacy skills using critical thinking,	
imagination, and the senses to observe and explore the world by learning about, understanding, and applying the	
elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts,	
feelings, ideas, or impressions through original drawn artwork in a variety of media including ink, pencil, conté,	
charcoal, colored pencils, and other media while developing a portfolio of their artwork comprising of rigorous	
assignments. Students develop an understanding of art history and culture by analyzing artistic styles, historical	
periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others.	
Honors Drawing III is a two-semester sequence course with the first semester being a prerequisite to the second	
semester.	Crada layel: 11 12
Instructional Material: NA Prorequirites: Art. Level II. Drawing III: evaluation of student portfolio/ teacher recommendation	Grade level: 11 - 12
<u>Prerequisites:</u> Art, Level II. Drawing II; evaluation of student portfolio/ teacher recommendation. <u>What's Next?</u> Any specialized Level II Art course, AP Drawing, or AP Design	Credit(s): 1 College Hour(s): NA
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Course taught by a locally certified gifted teacher	Tier II
ART, LEVEL II, JEWELRY I AB	1032 AB
Jewelry I affords students the opportunity to create three-dimensional pieces of jewelry using specific techniques	03501100
presented in the course. Students develop and expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of	
art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas,	Grade level: 9 – 12
or impressions through original jewelry artwork developing a digital portfolio of their artwork. Students develop an	Credit(s): 1
understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as	College Hour(s): NA
well as the ability to respond to and analyze the artworks of self and others. Jewelry I is a two-semester sequence	Tier III
course with the first semester being a prerequisite to the second semester.	Hei III
Instructional Material: NA	
Prerequisites: Art I	
What's Next? Jewelry II or any specialized Level II Art course	
HONORS ART, LEVEL II, JEWELRY I ABH	1087 ABH
Honors Jewelry I affords students the opportunity to create three-dimensional pieces of jewelry using specific	03501100
techniques presented in the course. Students develop and expand their visual literacy skills using critical thinking,	000000
imagination, and the senses to observe and explore the world by learning about, understanding, and applying the	
elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts,	
feelings, ideas, or impressions through original jewelry artwork developing a digital portfolio of their artwork	
comprising of rigorous assignments. Students develop an understanding of art history and culture by analyzing	
artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the	
artworks of self and others. Honors Jewelry I is a two-semester sequence course with the first semester being a	
prerequisite to the second semester.	
Instructional Material: NA	Grade level: 9 - 12
Prerequisites: Art I; evaluation of student portfolio/ teacher recommendation.	Credit(s): 1
What's Next? Jewelry II or any specialized Level II Art course	College Hour(s): NA
Course taught by a locally certified gifted teacher	Tier II
DUAL CREDIT ART, LEVEL II, JEWELRY I AB	1132 AB
TCC Course: Art Metals I (ARTS 2341)	
Dual Credit Jewelry I affords students the opportunity to create three-dimensional pieces of jewelry using metal	03501100
construction. Students develop and expand their visual literacy skills using critical thinking, imagination, and the	
senses to observe and explore the world by learning about, understanding, and applying the elements of art,	
principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or	
impressions through original jewelry artwork developing a digital portfolio of their artwork comprising of rigorous	
assignments. Students develop an understanding of art history and culture by analyzing artistic styles, historical	
periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others.	
Dual Credit Jewelry I is a one-semester sequence course.	
Instructional Material: NA	
	Grade level: NA
FWISD Prerequisites: Art I	Credit(s): 1
TCC Recommended Prerequisites: ARTS 1312	Credit(s): 1 ECHS Grade level: 10-12
TCC Recommended Prerequisites: ARTS 1312 What's Next? NA	Credit(s): 1 ECHS Grade level: 10-12 College Hour(s): 3
TCC Recommended Prerequisites: ARTS 1312	Credit(s): 1 ECHS Grade level: 10-12

ART, LEVEL III, JEWELRY II AB	1034 AB
lewelry II includes casting, fabrication, finishing, stone setting, limited lapidary, or a combination of these to create	03502000
ewelry. Students expand their visual literacy skills using critical thinking, imagination, and the senses to observe and	Crada laval: 10 12
explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through	Grade level: 10 – 12 Credit(s): 1
original jewelry artwork developing a digital portfolio of their artwork. Students develop an understanding of art	College Hour(s): NA
nistory and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to	Tier III
espond to and analyze the artworks of self and others. Jewelry II is a two-semester sequence course with the first	
emester being a prerequisite to the second semester.	
nstructional Material: NA	
Prerequisites: Jewelry I	
<u>Vhat's Next?</u> Jewelry III or any specialized Level II Art course	
HONORS ART, LEVEL III, JEWELRY II ABH	1089 ABH
Honors Jewelry II includes casting, fabrication, finishing, stone setting, limited lapidary, or a combination of these to	03502000
reate jewelry. Students expand their visual literacy skills using critical thinking, imagination, and the senses to	
observe and explore the world by learning about, understanding, and applying the elements of art, principles of	
lesign, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions	Grade level: 10 – 12
hrough original jewelry artwork developing a digital portfolio of their artwork comprising of rigorous assignments.	Credit(s): 1
tudents develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a	College Hour(s): NA
rariety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Honors Jewelry II	Tier II
s a two-semester sequence course with the first semester being a prerequisite to the second semester.	
nstructional Material: NA	
Prerequisites: Jewelry I; Evaluation of student portfolio/teacher recommendation	
<u>Mhat's Next?</u> Jewelry III or any specialized Level II Art course	
Course taught by a locally certified gifted teacher.	102C AD
ART, LEVEL IV, JEWELRY III AB	1036 AB
lewelry III includes casting, fabrication, finishing, stone setting, limited lapidary, or a combination of these to create ewelry in the individual style of the students. Students further expand their visual literacy skills using critical	03502900
chinking, imagination, and the senses to observe and explore the world by learning about, understanding, and	
applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate	
thoughts, feelings, ideas, or impressions through original jewelry artwork developing a digital portfolio of their	
artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods,	
and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Jewelry III is	
a two-semester sequence course with the first semester being a prerequisite to the second semester.	Grade level: 11 - 12
nstructional Material: NA	Credit(s): 1
Prerequisites: Jewelry II	College Hour(s): NA
What's Next? AP Three-Dimensional Design Art Portfolio or any specialized Level II Art course	Tier III
HONORS ART, LEVEL IV, JEWELRY III ABH	1091 ABH
Honors Jewelry III includes casting, fabrication, finishing, stone setting, limited lapidary, or a combination of these to	03502900
	03302300
	03302300
reate jewelry in the individual style of the students. Students further expand their visual literacy skills using critical hinking, imagination, and the senses to observe and explore the world by learning about, understanding, and	03302300
create jewelry in the individual style of the students. Students further expand their visual literacy skills using critical chinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate	03302300
create jewelry in the individual style of the students. Students further expand their visual literacy skills using critical chinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate choughts, feelings, ideas, or impressions through original jewelry artwork developing a digital portfolio of their	05502500
create jewelry in the individual style of the students. Students further expand their visual literacy skills using critical chinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate choughts, feelings, ideas, or impressions through original jewelry artwork developing a digital portfolio of their artwork comprising of rigorous assignments. Students develop an understanding of art history and culture by	05502500
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treate jewelry in the individual style of the students. Students further expand their visual literacy skills using critical hinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate houghts, feelings, ideas, or impressions through original jewelry artwork developing a digital portfolio of their artwork comprising of rigorous assignments. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Honors Jewelry III is a two-semester sequence course with the first semester being a prerequisite to the second semester.	
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create jewelry in the individual style of the students. Students further expand their visual literacy skills using critical hinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate houghts, feelings, ideas, or impressions through original jewelry artwork developing a digital portfolio of their artwork comprising of rigorous assignments. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze he artworks of self and others. Honors Jewelry III is a two-semester sequence course with the first semester being a prerequisite to the second semester. Instructional Material: NA Prerequisites: Jewelry II; Evaluation of student portfolio/teacher recommendation What's Next? AP Three-Dimensional Design Art Portfolio or any specialized Level II Art course Course taught by a locally certified gifted teacher ART, LEVEL II, PAINTING I AB Painting I is an in-depth exploration of the fundamentals of painting. Students develop and expand their visual interacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about,	Grade level: 11 - 12 Credit(s): 1 College Hour(s): NA Tier II 1016 AB
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create jewelry in the individual style of the students. Students further expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original jewelry artwork developing a digital portfolio of their artwork comprising of rigorous assignments. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Honors Jewelry III is a two-semester sequence course with the first semester being a prerequisite to the second semester. Instructional Material: NA Prerequisites: Jewelry II; Evaluation of student portfolio/teacher recommendation What's Next? AP Three-Dimensional Design Art Portfolio or any specialized Level II Art course Course taught by a locally certified gifted teacher ART, LEVEL II, PAINTING I AB Painting I is an in-depth exploration of the fundamentals of painting. Students develop and expand their visual iteracy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original painted artwork in a variety of media while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Painting I is a two-semester sequence course with the first semester being a perequisite to the second semester.	Grade level: 11 - 12 Credit(s): 1 College Hour(s): NA Tier II 1016 AB 03500600
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HONORS ART, LEVEL II, PAINTING I ABH	1057 ABH
Honors Painting I is an in-depth exploration of the fundamentals of painting. Students develop and expand their isual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning	03500600
bout, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the	
pportunity to communicate thoughts, feelings, ideas, or impressions through original painted artwork in a variety of media while developing a portfolio of their artwork comprising of rigorous assignments. Students develop an	
inderstanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as	
vell as the ability to respond to and analyze the artworks of self and others. Honor Painting I is a two-semester	
equence course with the first semester being a prerequisite to the second semester.	
nstructional Material: eBook Experience Painting, Davis Publications; ISBN: 978-1-61528-330-9	Grade level: 9 - 12
<u>Prerequisites:</u> Art I; evaluation of student portfolio/ teacher recommendation.	Credit(s): 1
<u>Vhat's Next?</u> Painting II, Art II; any specialized Level II Art course, or AP Two-Dimensional Design Art Portfolio	College Hour(s): NA
Course taught by a locally certified gifted teacher	Tier II
DUAL CREDIT ART, LEVEL II, PAINTING I AB	1116 AB
CC Course: Painting I (ARTS 2316)	03500600
ual Credit Painting I is an in-depth exploration of the fundamentals of painting with an emphasis on color and	
omposition. Students develop and expand their visual literacy skills using critical thinking, imagination, and the	
enses to observe and explore the world by learning about, understanding, and applying the elements of art,	
principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or	Grade level: NA
mpressions through original painted artwork in a variety of media while developing a portfolio of their artwork	ECHS Grade level: 10-12
omprising of rigorous assignments. Students develop an understanding of art history and culture by analyzing	Credit(s): 1
rtistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the	College Hour(s): 3
rtworks of self and others. Dual Credit Painting I is a one-semester sequence course.	Tier I
nstructional Material: NA WISD Prerequisites: Art I	
CC Recommended Prerequisites: ARTS 1311 or ARTS 1316	
What's Next? NA Course taught by an approved District or adjunct instructor.	
RT, LEVEL III, PAINTING II AB	1029 AB
ainting II is an in-depth exploration of the fundamentals of painting. Students expand their visual literacy skills	03501400
sing critical thinking, imagination, and the senses to observe and explore the world by learning about,	
nderstanding, and applying the elements of art, principles of design, and expressive qualities. It offers the	
opportunity to communicate thoughts, feelings, ideas, or impressions through original painted artwork in a variety	
f media including, acrylic, ink, and watercolor while developing a portfolio of their artwork. Students develop an	
inderstanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as	
vell as the ability to respond to and analyze the artworks of self and others. Painting II is a two-semester sequence	C 10 10
ourse with the first semester being a prerequisite to the second semester.	Grade level: 10 – 12
nstructional Material: eBook Experience Painting, Davis Publications; ISBN: 978-1-61528-330-9 rerequisites: Art I and Painting I	Credit(s): 1 College Hour(s): NA
<u>vhat's Next?</u> Painting III, any specialized Level II Art course, AP Two-Dimensional Design Art Portfolio, or AP Studio	Tier III
rawing Portfolio	Her III
ONORS ART, LEVEL III, PAINTING II AB	1059 ABH
lonors Painting II is an in-depth exploration of the fundamentals of painting. Students expand their visual literacy	03501400
kills using critical thinking, imagination, and the senses to observe and explore the world by learning about,	
nderstanding, and applying the elements of art, principles of design, and expressive qualities. It offers the	
pportunity to communicate thoughts, feelings, ideas, or impressions through original painted artwork in a variety	
of media including, acrylic, ink, and watercolor while developing a portfolio of their artwork comprising of rigorous	
ssignments. Students develop an understanding of art history and culture by analyzing artistic styles, historical	
eriods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others.	Crada laval: 10 12
lonors Painting II is a two-semester sequence course with the first semester being a prerequisite to the second	Grade level: 10 – 12
emester. <u>Instructional Material:</u> eBook Experience Painting, Davis Publications; ISBN: 978-1-61528-330-9	Credit(s): 1 College Hour(s): NA
rerequisites: Art I and Painting I, Evaluation of student portfolio/teacher recommendation	Tier II
<u>/hat's Next?</u> Painting III, any specialized Level II Art course, AP Two-Dimensional Design Art Portfolio, or AP Studio	
Drawing Portfolio	
ourse taught by a locally certified gifted teacher	
PUAL CREDIT ART, LEVEL III, PAINTING II AB	1129 AB
CC Course: Painting II (ARTS 2317)	03501400
ual Credit Painting II is an in-depth exploration of the fundamentals of painting with an emphasis on individual	
xpression. Students expand their visual literacy skills using critical thinking, imagination, and the senses to observe	
nd explore the world by learning about, understanding, and applying the elements of art, principles of design, and	
xpressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through	
riginal painted artwork in a variety of media including, acrylic, ink, and watercolor while developing a portfolio of	
neir artwork comprising of rigorous assignments. Students develop an understanding of art history and culture by	
nalyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze	
ne artworks of self and others. Dual Credit Painting II is a one-semester course and a continuation of ARTS 2316.	ECHS Grade level: 10-12

Instructional Material: NA	Grade level: 10 – 12
FWISD Prerequisites: Art II, Painting I,	Credit(s): 1
ICC Recommended Prerequisites: ARTS 2316	College Hour(s): 3
What's Next? NA	Tier I
ourse taught by an approved District or adjunct instructor.	
ART, LEVEL IV, PAINTING III AB	1080 AB
ainting III is an in-depth exploration of the fundamentals of painting focusing on individual problems and personal tyle. Students expand their visual literacy skills using critical thinking, imagination, and the senses to observe and xplore the world by learning about, understanding, and applying the elements of art, principles of design, and xpressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through riginal painted artwork in a variety of media including, acrylic, ink, and watercolor while developing a portfolio of heir artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical	03502400
eriods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others.	
ainting III is a two-semester sequence course with the first semester being a prerequisite to the second semester.	Grade level: 11 – 12
nstructional Material: eBook Experience Painting, Davis Publications; ISBN: 978-1-61528-330-9	Credit(s): 1
rerequisites: Art III, Painting II, Evaluation of student's portfolio/teacher recommendation /hat's Next? Any specialized Level II Art course, AP Two-Dimensional Design Art Portfolio, or AP Studio Drawing	College Hour(s): NA Tier III
ortfolio	4000 4011
ONORS ART, LEVEL IV, PAINTING III ABH onors Painting III is an in-depth exploration of the fundamentals of painting focusing on individual problems and	1082 ABH 03502400
bersonal style. Students expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of lesign, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original painted artwork in a variety of media including, acrylic, ink, and watercolor while developing a portfolio of their artwork comprising of rigorous assignments. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Honors Painting III is a two-semester sequence course with the first semester being a prerequisite to the second semester.	3302400
structional Material: eBook Experience Painting, Davis Publications; ISBN: 978-1-61528-330-9	Grade level: 11 - 12
rerequisites: Art III, Painting II, Evaluation of student's portfolio/teacher recommendation	Credit(s): 1
<u>/hat's Next?</u> Any specialized Level II Art course, AP Two-Dimensional Design Art Portfolio, or AP Studio Drawing ortfolio	College Hour(s): NA Tier II
Course taught by a locally certified gifted teacher	
RT, LEVEL II, PHOTOGRAPHY I AB	1018 AB
sual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning bout, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the oportunity to communicate thoughts, feelings, ideas, or impressions through original photographs in a using a priety of techniques while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to analyze the artworks of self and others. Students will explore related career areas such as advertising, layout and esign, illustration, computer graphics and commercial photography. Photography I is a two-semester sequence	03501200 Grade level: 9 - 12
sual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning bout, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original photographs in a using a priety of techniques while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to analyze the artworks of self and others. Students will explore related career areas such as advertising, layout and esign, illustration, computer graphics and commercial photography. Photography I is a two-semester sequence ourse with the first semester being a prerequisite to the second semester.	03501200 Grade level: 9 - 12 Credit(s): 1
sual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning bout, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original photographs in a using a priety of techniques while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to analyze the artworks of self and others. Students will explore related career areas such as advertising, layout and esign, illustration, computer graphics and commercial photography. Photography I is a two-semester sequence purse with the first semester being a prerequisite to the second semester. Structional Material: NA	Grade level: 9 - 12
sual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning bout, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original photographs in a using a priety of techniques while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to analyze the artworks of self and others. Students will explore related career areas such as advertising, layout and esign, illustration, computer graphics and commercial photography. Photography I is a two-semester sequence ourse with the first semester being a prerequisite to the second semester. Structional Material: NA Rerequisites: Art I Chat's Next? Photography II, any specialized Level II Art course, or any AP Art courses	Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA Tier III
isual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning bout, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the pportunity to communicate thoughts, feelings, ideas, or impressions through original photographs in a using a ariety of techniques while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to an analyze the artworks of self and others. Students will explore related career areas such as advertising, layout and esign, illustration, computer graphics and commercial photography. Photography I is a two-semester sequence ourse with the first semester being a prerequisite to the second semester. Instructional Material: NA Interequisites: Art I What's Next? Photography II, any specialized Level II Art course, or any AP Art courses HONORS ART, LEVEL II, PHOTOGRAPHY I ABH	Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA Tier III 1061 ABH
sual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning bout, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the pportunity to communicate thoughts, feelings, ideas, or impressions through original photographs in a using a ariety of techniques while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to analyze the artworks of self and others. Students will explore related career areas such as advertising, layout and esign, illustration, computer graphics and commercial photography. Photography I is a two-semester sequence burse with the first semester being a prerequisite to the second semester. Instructional Material: NA rerequisites: Art I //hat's Next? Photography II, any specialized Level II Art course, or any AP Art courses IONORS ART, LEVEL II, PHOTOGRAPHY I ABH Onors Photography I is an in-depth exploration of the fundamentals of photography. Students develop and expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It a ffers the opportunity to communicate thoughts, feelings, ideas, or impressions through original photographs in a sing a variety of techniques while developing a portfolio of their artwork comprising of rigorous assignments. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a pariety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Students will explore related career areas such as advertising, layout and design, illustration, computer graphics and commercial thotography. Honors Photography I is a two-semester sequen	Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA Tier III
sual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning bout, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the proportunity to communicate thoughts, feelings, ideas, or impressions through original photographs in a using a arriety of techniques while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to a danalyze the artworks of self and others. Students will explore related career areas such as advertising, layout and esign, illustration, computer graphics and commercial photography. Photography I is a two-semester sequence purse with the first semester being a prerequisite to the second semester. Instructional Material: NA Interequisites: Art I Interequisites: Art	Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA Tier III 1061 ABH
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sual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning bout, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the pportunity to communicate thoughts, feelings, ideas, or impressions through original photographs in a using a arriety of techniques while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to analyze the artworks of self and others. Students will explore related career areas such as advertising, layout and esign, illustration, computer graphics and commercial photography. Photography I is a two-semester sequence ourse with the first semester being a prerequisite to the second semester. Instructional Material; NA rerequisites: Art I What's Next? Photography II, any specialized Level II Art course, or any AP Art courses IONORS ART, LEVEL II, PHOTOGRAPHY I ABH Onors Photography I is an in-depth exploration of the fundamentals of photography. Students develop and expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It fifers the opportunity to communicate thoughts, feelings, ideas, or impressions through original photographs in a sing a variety of techniques while developing a portfolio of their artwork comprising of rigorous assignments. It tudents develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a arriety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Students will explore related career areas such as advertising, layout and design, illustration, computer graphics and commercial hotography. Honors Photography I is a two-semester sequen	Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA Tier III 1061 ABH 03501200
hotography I is an in-depth exploration of the fundamentals of photography. Students develop and expand their isual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning bout, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the pportunity to communicate thoughts, feelings, ideas, or impressions through original photographs in a using a ariety of techniques while developing a portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to danalyze the artworks of self and others. Students will explore related career areas such as advertising, layout and esign, illustration, computer graphics and commercial photography. Photography I is a two-semester sequence ourse with the first semester being a prerequisite to the second semester. Instructional Material: NA rerequisites: Art I What's Next? Photography II, any specialized Level II Art course, or any AP Art courses HONORS ART, LEVEL II, PHOTOGRAPHY I ABH Honors Photography I is an in-depth exploration of the fundamentals of photography. Students develop and xpand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It ffers the opportunity to communicate thoughts, feelings, ideas, or impressions through original photographs in a using a variety of techniques while developing a portfolio of their artwork comprising of rigorous assignments. It udents develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a arriety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Students will xplore related career areas such as advertising, layout and des	Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA Tier III 1061 ABH 03501200 Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA

understanding of photographic aesthetics. Utilizes black and white film and traditional chemical darkrooms as well as digital photographic laboratories. Dual Credit Photography II is a one semester course sequence course.	ECHS Grade level: 10-12 Grade level: NA
Instructional Material: NA	Credit(s): 1
FWISD Prerequisites: None	College Hour(s): 3
<u>What's Next?</u> Dual Credit Photography II (Fine Arts Emphasis) (ARTS 2357) Course taught by an approved District or adjunct instructor.	Tier I
ART, LEVEL III, PHOTOGRAPHY II AB	1030 AB
Photography II is an in-depth exploration of the advanced photography and photography application. Students	03502200
develop and expand their visual literacy skills using critical thinking, imagination, and the senses to observe and	
explore the world by learning about, understanding, and applying the elements of art, principles of design, and	
expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through	
original photographs in a using a variety of camera techniques, creative photography techniques, using both color and black and white, while developing a portfolio of their artwork. Students develop an understanding of art history	
and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to	
and analyze the artworks of self and others. Students will explore related career areas such as advertising, layout and	
lesign, illustration, computer graphics and commercial photography. Photography II is a two-semester sequence	
course with the first semester being a prerequisite to the second semester.	C 10 10
<u>nstructional Material:</u> NA <u>Prerequisites:</u> Art I and Photography I	Grade level: 10 - 12 Credit(s): 1
<u>Vhat's Next?</u> Photography III, any specialized Level II Art course, or AP Two-Dimensional Design Art Portfolio	College Hour(s): NA
Course taught by a locally certified gifted teacher	Tier III
HONORS ART, LEVEL III, PHOTOGRAPHY II ABH	1063 ABH
Honors Photography II is an in-depth exploration of the advanced photography and photography application.	03502200
Students develop and expand their visual literacy skills using critical thinking, imagination, and the senses to observe	
and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through	
expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original photographs in a using a variety of camera techniques, creative photography techniques, using both color	
and black and white, while developing a portfolio of their artwork comprising of rigorous assignment. Students	
develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of	
cultures, as well as the ability to respond to and analyze the artworks of self and others. Students will explore related	
career areas such as advertising, layout and design, illustration, computer graphics and commercial photography.	
Honors Photography II is a two-semester sequence course with the first semester being a prerequisite to the second	
emester	
	Grade level: 10 - 12
nstructional Material: NA	Grade level: 10 - 12 Credit(s): 1
nstructional Material: NA Prerequisites: Art I and Photography I; Evaluation of student's portfolio/teacher's recommendation What's Next? Photography III, any specialized Level II Art course, or AP Two-Dimensional Design Art Portfolio	Credit(s): 1 College Hour(s): NA
nstructional Material: NA Prerequisites: Art I and Photography I; Evaluation of student's portfolio/teacher's recommendation <u>What's Next?</u> Photography III, any specialized Level II Art course, or AP Two-Dimensional Design Art Portfolio Course taught by a locally certified gifted teacher.	Credit(s): 1 College Hour(s): NA Tier II
nstructional Material: NA Prerequisites: Art I and Photography I; Evaluation of student's portfolio/teacher's recommendation What's Next? Photography III, any specialized Level II Art course, or AP Two-Dimensional Design Art Portfolio Course taught by a locally certified gifted teacher. DUAL CREDIT ART, LEVEL III, PHOTOGRAPHY II AB	Credit(s): 1 College Hour(s): NA Tier II 1130 AB
nstructional Material: NA Prerequisites: Art I and Photography I; Evaluation of student's portfolio/teacher's recommendation What's Next? Photography III, any specialized Level II Art course, or AP Two-Dimensional Design Art Portfolio Course taught by a locally certified gifted teacher. DUAL CREDIT ART, LEVEL III, PHOTOGRAPHY II AB ICC Course: Photography II (Fine Arts Emphasis) (ARTS 2357)	Credit(s): 1 College Hour(s): NA Tier II
nstructional Material: NA Prerequisites: Art I and Photography I; Evaluation of student's portfolio/teacher's recommendation What's Next? Photography III, any specialized Level II Art course, or AP Two-Dimensional Design Art Portfolio Course taught by a locally certified gifted teacher. DUAL CREDIT ART, LEVEL III, PHOTOGRAPHY II AB TCC Course: Photography II (Fine Arts Emphasis) (ARTS 2357) Dual Credit Photography II is an in-depth exploration of the advanced photography and photography application. Students develop and expand their visual literacy skills using critical thinking, imagination, and the senses to observe	Credit(s): 1 College Hour(s): NA Tier II 1130 AB
nstructional Material: NA Prerequisites: Art I and Photography I; Evaluation of student's portfolio/teacher's recommendation What's Next? Photography III, any specialized Level II Art course, or AP Two-Dimensional Design Art Portfolio Course taught by a locally certified gifted teacher. DUAL CREDIT ART, LEVEL III, PHOTOGRAPHY II AB ICC Course: Photography II (Fine Arts Emphasis) (ARTS 2357) Dual Credit Photography II is an in-depth exploration of the advanced photography and photography application. Students develop and expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and	Credit(s): 1 College Hour(s): NA Tier II 1130 AB
Prerequisites: Art I and Photography I; Evaluation of student's portfolio/teacher's recommendation What's Next? Photography III, any specialized Level II Art course, or AP Two-Dimensional Design Art Portfolio Course taught by a locally certified gifted teacher. DUAL CREDIT ART, LEVEL III, PHOTOGRAPHY II AB ICC Course: Photography II (Fine Arts Emphasis) (ARTS 2357) Dual Credit Photography II is an in-depth exploration of the advanced photography and photography application. Students develop and expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through	Credit(s): 1 College Hour(s): NA Tier II 1130 AB
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Prerequisites: Art I and Photography I; Evaluation of student's portfolio/teacher's recommendation What's Next? Photography III, any specialized Level II Art course, or AP Two-Dimensional Design Art Portfolio Course taught by a locally certified gifted teacher. DUAL CREDIT ART, LEVEL III, PHOTOGRAPHY II AB ICC Course: Photography II (Fine Arts Emphasis) (ARTS 2357) Dual Credit Photography II is an in-depth exploration of the advanced photography and photography application. Students develop and expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through coriginal photographs in a using a variety of camera techniques, creative photography techniques, using both color and black and white, while developing a portfolio of their artwork comprising of rigorous assignment. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Students will explore related career areas such as advertising, layout and design, illustration, computer graphics and commercial photography. Dual Credit Photography II is a one-semester sequence course and a continuation of ARTS-2356. Instructional Material: NA EWISD Prerequisites: ART I and Photography I CCC Required Prerequisites: ARTS 2356	Credit(s): 1 College Hour(s): NA Tier II 1130 AB 03502200 ECHS Grade level: 10-12 Grade level: 10 – 12 Credit(s): 1
Perequisites: Art I and Photography I; Evaluation of student's portfolio/teacher's recommendation What's Next? Photography III, any specialized Level II Art course, or AP Two-Dimensional Design Art Portfolio Course taught by a locally certified gifted teacher. DUAL CREDIT ART, LEVEL III, PHOTOGRAPHY II AB ICC Course: Photography II (Fine Arts Emphasis) (ARTS 2357) Dual Credit Photography II is an in-depth exploration of the advanced photography and photography application. Students develop and expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original photographs in a using a variety of camera techniques, creative photography techniques, using both color and black and white, while developing a portfolio of their artwork comprising of rigorous assignment. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cautures, as well as the ability to respond to and analyze the artworks of self and others. Students will explore related career areas such as advertising, layout and design, illustration, computer graphics and commercial photography. Dual Credit Photography II is a one-semester sequence course and a continuation of ARTS-2356. Instructional Material: NA EWISD Prerequisites: Art I and Photography II CCC Required Prerequisites: ARTS 2356 What's Next? NA	Credit(s): 1 College Hour(s): NA Tier II 1130 AB 03502200 ECHS Grade level: 10-12 Grade level: 10 – 12 Credit(s): 1 College Hour(s): 3
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Instructional Material: NA Pererequisites: Art I and Photography I; Evaluation of student's portfolio/teacher's recommendation Mhat's Next? Photography III, any specialized Level II Art course, or AP Two-Dimensional Design Art Portfolio Course taught by a locally certified gifted teacher. DUAL CREDIT ART, LEVEL III, PHOTOGRAPHY II AB ICC Course: Photography II (Fine Arts Emphasis) (ARTS 2357) Dual Credit Photography II is an in-depth exploration of the advanced photography and photography application. Students develop and expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original photographs in a using a variety of camera techniques, creative photography techniques, using both color and black and white, while developing a portfolio of their artwork comprising of rigorous assignment. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Students will explore related career areas such as advertising, layout and design, illustration, computer graphics and commercial photography. Dual Credit Photography II is a one-semester sequence course and a continuation of ARTS-2356. Instructional Material: NA EMISD Prerequisites: Art I and Photography I ICC Required Prerequisites: ARTS 2356 Mhat's Next? NA Course taught by an approved District or adjunct instructor. ART, LEVEL IV, PHOTOGRAPHY III AB Photography III is an in-depth exploration of the advanced photography, photography application, and personal extyle in photography. Students further expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning	Credit(s): 1 College Hour(s): NA Tier II 1130 AB 03502200 ECHS Grade level: 10-12 Grade level: 10 – 12 Credit(s): 1 College Hour(s): 3 Tier I
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Instructional Material: NA Prerequisites: Art I and Photography I; Evaluation of student's portfolio/teacher's recommendation What's Next? Photography III, any specialized Level II Art course, or AP Two-Dimensional Design Art Portfolio Course taught by a locally certified gifted teacher. DUAL CREDIT ART, LEVEL III, PHOTOGRAPHY II AB ICC Course: Photography II (Fine Arts Emphasis) (ARTS 2357) Dual Credit Photography II is an in-depth exploration of the advanced photography and photography application. Students develop and expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through prographs in a using a variety of camera techniques, creative photography techniques, using both color and black and white, while developing a portfolio of their artwork comprising of rigorous assignment. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Students will explore related career areas such as advertising, layout and design, illustration, computer graphics and commercial photography. Dual Credit Photography II is a one-semester sequence course and a continuation of ARTS-2356. Instructional Material: NA Whist's Next? NA Course taught by an approved District or adjunct instructor. ART, LEVEL IV, PHOTOGRAPHY III AB Photography. Students further expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, or inciples of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original photographs	Credit(s): 1 College Hour(s): NA Tier II 1130 AB 03502200 ECHS Grade level: 10-12 Grade level: 10 – 12 Credit(s): 1 College Hour(s): 3 Tier I
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emester.	Grade level: 11 - 12
nstructional Material: NA	Credit(s): 1
Prerequisites: Photography II	College Hour(s): NA
<u>Vhat's Next?</u> Any specialized Level II Art course or AP Two-Dimensional Design Art Portfolio	Tier III
HONORS ART, LEVEL IV, PHOTOGRAPHY III ABH	1086 ABH
Honors Photography III is an in-depth exploration of the advanced photography, photography application, and personal style in photography. Students further expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of purt, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original photographs in a using a variety of camera techniques, creative photography echniques, using both color and black and white, while developing a portfolio of their artwork comprising of igorous assignments. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Students will explore related career areas such as advertising, layout and design, illustration, computer graphics and commercial photography. Honors Photography III is a two-semester sequence course with the first	03503100
emester being a prerequisite to the second semester.	
nstructional Material: NA	Grade level: 11 - 12
Prerequisites: Photography II; portfolio review	Credit(s): 1
<u>What's Next?</u> Any specialized Level II Art course or AP Two-Dimensional Design Art Portfolio	College Hour(s): NA
Course taught by a locally certified gifted teacher	Tier II
ART, LEVEL II, SCULPTURE I AB	1028 AB
Sculpture I is an in-depth exploration of three-dimensional work. Students develop and expand their visual literacy	03501000
kills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the apportunity to communicate thoughts, feelings, ideas, or impressions through original sculpted artwork in a variety of media including wood, paper, recycled materials, stone, and clay while developing a digital portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Sculpture I	
s a two-semester sequence course with the first semester being a prerequisite to the second semester.	Grade level: 9 - 12
nstructional Material: NA Prerequisites: Art I	Credit(s): 1 College Hour(s): NA
What's Next? Sculpture II, any specialized Level II Art course, or AP Three-Dimensional Design (Sculpture)	Tier III
HONORS ART, LEVEL II, SCULPTURE I ABH	1069 ABH
Honors Sculpture I is an in-depth exploration of three-dimensional work. Students develop and expand their visual iteracy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the apportunity to communicate thoughts, feelings, ideas, or impressions through original sculpted artwork in a variety of media including wood, paper, recycled materials, stone, and clay while developing a digital portfolio of their artwork comprising of rigorous assignments. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Honors Sculpture I is a two-semester sequence course with the first semester being a prerequisite to the second semester.	03501000
nstructional Material: NA	Grade level: 9 - 12
<u>Prerequisites:</u> Art I	Credit(s): 1
What's Next? Sculpture II, any specialized Level II Art course, or AP Three-Dimensional Design (Sculpture)	College Hour(s): NA
Course taught by a locally certified gifted teacher	Tier II
DUAL CREDIT ART, LEVEL II, SCULPTURE I AB	1128 AB
CC Course: Sculpture I (ARTS 2326)	03501000
Dual Credit Honors Sculpture I is an in-depth exploration of three-dimensional work. Students develop and expand heir visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by earning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original sculpted artwork in a variety of media including wood, paper, recycled materials, stone, and clay while developing a digital portfolio of heir artwork comprising of rigorous assignments. Students develop an understanding of art history and culture by	FCUS Cond- Involved 10, 10
nalyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze he artworks of self and others. Honors Sculpture I is a one-semester sequence course.	ECHS Grade level: 10-12
	Grade level: 9 - 12 Credit(s): 1
	College Hour(s): 3
nstructional Material: NA	5
nstructional Material: NA 'WISD Prerequisites: Art I	Tier I
nstructional Material: NA WISD Prerequisites: Art I CC Recommended Prerequisites: ARTS 1312	Tier I
	Tier I
<u>nstructional Material:</u> <i>NA</i> <u>*WISD Prerequisites:</u> Art I <u>*CC Recommended Prerequisites:</u> ARTS 1312 <u>What's Next?</u> NA	Tier I 1092 AB

communicate thoughts, feelings, ideas, or impressions through original sculpted artwork in a variety of media	
including wood, paper, recycled materials, stone, and clay while developing a digital portfolio of their artwork.	
Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a	
variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Sculpture II is a	
two-semester sequence course with the first semester being a prerequisite to the second semester.	Grade level: 10 - 12
Instructional Material: NA	Credit(s): 1
<u>Prerequisites:</u> Sculpture I	College Hour(s): NA
What's Next? Sculpture III, any specialized Level II Art course, or AP Three-Dimensional Design (Sculpture)	Tier III
HONORS ART, LEVEL III, SCULPTURE II ABH	1071 ABH
Honors Sculpture II is an in-depth exploration of three-dimensional work. Students expand their visual literacy skills	03501900
using critical thinking, imagination, and the senses to observe and explore the world by learning about,	0000.000
understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the	
opportunity to communicate thoughts, feelings, ideas, or impressions through original sculpted artwork in a variety	
of media including wood, paper, recycled materials, stone, and clay while developing a digital portfolio of their	
artwork comprising of rigorous assignments. Students develop an understanding of art history and culture by	
analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze	
the artworks of self and others. Honors Sculpture II is a two-semester sequence course with the first semester being	
a prerequisite to the second semester.	
nstructional Material: NA	Grade level: 10 - 12
Prerequisites: Sculpture I; evaluation of student portfolio/teacher recommendation	Credit(s): 1
<u>What's Next?</u> Sculpture III, any specialized Level II Art course, or AP Three-Dimensional Design (Sculpture)	College Hour(s): NA
Course taught by a locally certified gifted teacher	Tier II
DUAL CREDIT ART, LEVEL III, SCULPTURE II AB	1192 AB
TCC Course: Sculpture II (ARTS 2327)	03504000
Dual Credit Sculpture II is an in-depth exploration of three-dimensional work with an emphasis on individual.	03501900
Students expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore	
the world by learning about, understanding, and applying the elements of art, principles of design, and expressive	
qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original	
sculpted artwork in a variety of media including wood, paper, recycled materials, stone, and clay while developing a	
digital portfolio of their artwork comprising of rigorous assignments. Students develop an understanding of art	
history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to	
respond to and analyze the artworks of self and others. Dual Credit Sculpture II is a one-semester course and a	ECHS Grade level: 10-12
continuation of ARTS 2326.	Grade level: 10 – 12
Instructional Material: NA	Credit(s): 1
FWISD Prerequisites: Sculpture I	College Hour(s): 3
TCC Recommended Prerequisites: ARTS 2326	Tier I
<u>What's Next?</u> NA	
Course taught by an approved District or adjunct instructor	
	1000 AB
ART, LEVEL IV, SCULPTURE III AB	1099 AB
ART, LEVEL IV, SCULPTURE III AB Sculpture III is an in-depth exploration of three-dimensional work. Students further expand their visual literacy skills	1099 AB 03502800
ART, LEVEL IV, SCULPTURE III AB Sculpture III is an in-depth exploration of three-dimensional work. Students further expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about,	
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Course taught by an approved District or adjunct instructor. ART, LEVEL IV, SCULPTURE III AB Sculpture III is an in-depth exploration of three-dimensional work. Students further expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original sculpted artwork in a variety of media including wood, paper, recycled materials, stone, and clay while developing a digital portfolio of their artwork. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Sculpture III is a two-semester sequence course with the first semester being a prerequisite to the second semester. Instructional Material: NA Prerequisites: Sculpture II; What's Next? Any specialized Level II Art course or AP Three-Dimensional Design (Sculpture) HONORS ART, LEVEL IV, SCULPTURE III ABH Honors Sculpture III is an in-depth exploration of three-dimensional work. Students further expand their visual literacy skills using critical thinking, imagination, and the senses to observe and explore the world by learning about, understanding, and applying the elements of art, principles of design, and expressive qualities. It offers the opportunity to communicate thoughts, feelings, ideas, or impressions through original sculpted artwork in a variety of media including wood, paper, recycled materials, stone, and clay while developing a digital portfolio of their artwork comprising of rigorous assignments. Students develop an understanding of art history and culture by analyzing artistic styles, historical periods, and a variety of cultures, as well as the ability to respond to and analyze the artworks of self and others. Honors	O3502800 Grade level: 11 - 12 Credit(s): 1 College Hour(s): NA Tier III 1100 ABH 03502800

AP STUDIO ART: DRAWING PORTFOLIO AB III or IV	1041 AB
AP Drawing is an introductory college-level two-dimensional design course. Students refine and apply skills and deas they develop throughout the course to produce two-dimensional art and design. The AP Art and Design course framework is composed of course skills, big ideas, essential questions and enduring understandings, learning objectives, and essential knowledge. AP Art and Design skill categories delineate overarching understandings central to the study and practice of art and design. Each of the three skill categories consists of skills that encompass coundational to advanced learning over the span of the course. Students need to develop, practice, and apply these skills in a variety of contexts. The AP 2-D Art and Design course framework is made up of three big ideas; investigate materials, processes, and ideas, Make art and design, and present art and design. Students should practice the skills that will help them learn to think and act like artists. Students will develop a portfolio that will be submitted for critical analysis in drawing for the Advanced Placement exam in Studio Art.	A3500300
nstructional Material: NA rerequisites: Art I; any specialized area of Art II; (waived for seniors with director approval); and teacher ecommendation	Grade level: 10 – 12 Credit(s): 1 College Hour(s): NA
<u>What's Next?</u> N/A Course taught by a locally certified gifted or AP trained teacher.	Tier I
AP STUDIO ART: TWO-DIMENSIONAL DESIGN PORTFOLIO AB III or IV	1043 AB
AP 2-D Art and Design is an introductory college-level two-dimensional design course. Students refine and apply kills and ideas they develop throughout the course to produce two-dimensional art and design. The AP Art and Design course framework is composed of course skills, big ideas, essential questions and enduring understandings, earning objectives, and essential knowledge. AP Art and Design skill categories delineate overarching understandings central to the study and practice of art and design. Each of the three skill categories consists of skills hat encompass foundational to advanced learning over the span of the course. Students need to develop, practice, and apply these skills in a variety of contexts. The AP 2-D Art and Design course framework is made up of three big deas; investigate materials, processes, and ideas, Make art and design, and present art and design. Students should bractice the skills that will help them learn to think and act like artists. Students will develop a portfolio that will be submitted for critical analysis in 2-D Design for the Advanced Placement exam in Studio Art.	A3500400 Grade level: 10 – 12 Credit(s): 1 College Hour(s): NA Tier I
nstructional Material: NA Prerequisites: Art I; any specialized area of Art II; (waived for seniors with director approval); teacher ecommendation What's Next? N/A Course taught by a locally certified gifted or AP trained teacher.	1030 AB
AP STUDIO ART: THREE-DIMENSIONAL DESIGN PORTFOLIO AB	1020 AB
AP 3-D Art and Design is an introductory college-level three-dimensional design course. Students refine and apply skills and ideas they develop throughout the course to produce three-dimensional art and design. The AP Art and Design course framework is composed of course skills, big ideas, essential questions and enduring understandings, earning objectives, and essential knowledge. AP Art and Design skill categories delineate overarching understandings central to the study and practice of art and design. Each of the three skill categories consists of skills hat encompass foundational to advanced learning over the span of the course. Students need to develop, practice, and apply these skills in a variety of contexts. The AP 3-D Art and Design course framework is made up of three big deas; investigate materials, processes, and ideas, Make art and design, and present art and design. Students will develop a portfolio that will be submitted for critical analysis in 3-D Design for the Advanced Placement exam in Studio Art. Instructional Material: NA	A3500500 Grade level: 10 – 12 Credit(s): 1 College Hour(s): NA Tier I
Prerequisites: Art I; any specialized area of Art II and/or Art III; (waived for seniors with director approval); teacher recommendation What's Next? N/A Course taught by a locally certified gifted or AP trained teacher.	
TWO AND THREE-DIMENSIONAL ART LEVEL II, DESIGN I AB	1050 AB
This Art course provides opportunities to develop skills, techniques, and processes related to both two-dimensional and three-dimensional processes and projects while using three or more of the following Art forms, i.e., Drawing, Painting, Jewelry, Photography, Glasswork, Sculpture, and more. This will be offered as a level two, Art II class and will allow second year Art students to experience a rotation of media and Art forms. The class will combine in-depth foundation studies using the Elements of Art and Principles of Design with skills and techniques as these concepts are applied to the students' individual Art work. Students will develop a portfolio, as well as use correct oral and	03501210
written communication as they relate to the visual arts. Instructional Material: Communicating Through Graphic Design, Davis Publications; ISBN: 9780871929884 Prerequisites: Art I What's Next? Any level III Art course or Art Advanced Placement course	Grade level: 9 – 10 Credit(s): 1 College Hour(s): NA

HONORS TWO AND THREE-DIMENSIONAL ART LEVEL II, DESIGN I AB	1052 AB
This Art course provides opportunities to develop skills, techniques, and processes related to both two-dimensional	03501210
and three-dimensional processes and projects while using three or more of the following Art forms, i.e., Drawing,	
Painting, Jewelry, Photography, Glasswork, Sculpture, and more. This will be offered as a level two, Art II class and	
will allow second year Art students to experience a rotation of media and Art forms. The class will combine in-depth	
foundation studies using the Elements of Art and Principles of Design with skills and techniques as these concepts	
are applied to the students' individual Art work. Students will develop a portfolio, as well as use correct oral and	
written communication as they relate to the visual arts.	
Instructional Material: Communicating Through Graphic Design, Davis Publications; ISBN: 9781615283255	Grade level: 9 – 10
<u>Prerequisites:</u> Art I	Credit(s): 1
What's Next? Any level III Art course or Art Advanced Placement course.	College Hour(s): NA
Course taught by a locally certified gifted or AP trained teacher. Offered only at Terrell VPA HS.	Tier II
AP ART HISTORY AB	1048 AB
AP Art History is an introductory college-level art history course. Students cultivate their understanding of art history	A3500100
through analyzing works of art and placing them in historical context as they explore concepts like culture and	
cultural interactions, theories and interpretations of art, the impact of materials, processes, and techniques on art	
and art making, and understanding purpose and audience in art historical analysis. Students must know, be able to	
do, and understand, with a focus on the big ideas that encompass core principles, theories, and processes of the	
discipline. The framework also encourages instruction that prepares students to understand representative works of	Grade level: 9 – 12
art from diverse cultures, including placing these works in context and illuminating relationships among them.	Credit(s): 1
Students should practice the skills that will help them learn to think and act like art historians. Many colleges and	College Hour(s): NA
universities offer advanced placement and/or credit to students who perform successfully on the AP Art History	Tier I
Exam.	
Instructional Material: 1209 – Gardners' Art Through the Ages: A Global History, Kleiner, 15th Edition, plus eBook	
access card; ISBN: 9781285754994	
Prerequisites: Aptitude for art history and motivation is demonstrated with a teacher recommendation	
What's Next? N/A	
Course taught by a locally certified gifted or AP trained teacher.	
FINE ARTS, LEVEL IV, VPA CAPSTONE AB	VPA1000 AB

The aim of this course is to provide opportunity for students to explore college preparation and professional 84500XXX applications of their VPA craft. Advanced credit with college and career readiness focused assignments and special projects will be approved and monitored by the instructor. Students will document their four years of VPA work through the completion of their portfolio in the first semester. Students will receive opportunities to job shadow and/or participate in unpaid practicums, networking, preparation of interview and audition requirements, and be able to creatively advocate their art to peers and members of the arts community. Students will investigate careers in Grade level: 12 the arts, develop problem solving skills and apply their art to a service learning action project. Students will actively Credit(s): Local Credit prepare their capstone project to be presented in the spring semester (recital, gallery exhibit, direction of play, or College Hour(s): NA project).

Instructional Material: N/A

Prerequisites: Level I-III of a Fine Arts Content

What's Next? N/A

This is for local credit only and only available at I.M. Terrell Academy for STEM & VPA.

CHOIR

Concert Choir	1422, 1424, 1426, 1428
A Cappella Choir	1430, 1432, 1434, 1436
Show Choir	1442, 1444, 1446, 1448
Treble Choir	1451, 1453, 1455, 1457
Tenor/Bass Choir	1459, 1461, 1463, 1465

Students must complete both A and B to receive state graduation credit for fine arts. Honors courses are also available.

ALL courses require a teacher recommendation and audition.

MUSIC I CHOIR AB (CONCERT)	1422 AB - 03150900
MUSIC II CHOIR AB (CONCERT)	1424 AB - 03151000
MUSIC III CHOIR AB (CONCERT)	1426 AB - 03151100
MUSIC IV CHOIR AB (CONCERT)	1428 AB - 03151200
Provides students with basic musical instruction in various musical styles and genres, as well as vocal pedagogy	
and music theory. In addition, students are <u>encouraged</u> to participate in TMEA All State auditions and Solo and	Grade level: 9 – 12
Ensemble contests. Participation at all choir performances, including the UIL Concert & Sight-reading Evaluation,	Credit(s): 1
are required. Students are encouraged to attend outside concerts/performances to develop critical listening skills.	College Hour(s): NA
Instructional Material: Contact Content Director	Tier III
<u>Prerequisites:</u> Placement based by audition only; taken in sequence	
MUSIC I CHOIR AB (CONCERT), HONORS	1423 ABH - 03150900
MUSIC II CHOIR AB (CONCERT), HONORS	1425 ABH - 03151000
MUSIC III CHOIR AB (CONCERT), HONORS	1427 ABH - 03151100
MUSIC IV CHOIR AB (CONCERT), HONORS	1429 ABH - 03151200
Provides students with basic music instruction in various musical styles and genres, as well as vocal pedagogy and	
music theory. In addition, students are required to participate in TMEA All State auditions and Solo and Ensemble	Grade level: 9 – 12
contests. Participation at all choir performances and the UIL Concert & Sight-Reading Evaluation are required.	Credit(s): 1
Honors students will attend outside concerts/performances and write critiques using TMAA rubrics.	College Hour(s): NA
Instructional Material: Contact Content Director	Tier II
<u>Prerequisites:</u> Placement based by audition only; taken in sequence What's Next? N/A	
MUSIC I CHOIR AB (A CAPPELLA)	1430 AB - 03150900
MUSIC II CHOIR AB (A CAPPELLA)	1432 AB - 03151000
MUSIC III CHOIR AB (A CAPPELLA)	1434 AB - 03151100
MUSIC IV CHOIR AB (A CAPPELLA)	1436 AB - 03151200
Provides choristers with advanced training in the mastery of vocal pedagogy, rigorous sight-reading and ear	
training, and immersion in all genres of choral music. In addition, students must participate in TMEA All State	Grade level: 9 – 12
auditions, UIL Concert & Sight Reading, and UIL Solo and Ensemble auditions. Attendance at all performances is	Credit(s): 1
required.	College Hour(s): NA
Instructional Material: Contact Content Director	Tier III
<u>Prerequisites:</u> Placement based by audition only; taken in sequence <u>What's Next?</u> N/A	
MUSIC I CHOIR AB (A CAPPELLA), HONORS	1438 AB - 03150900
MUSIC II CHOIR AB (A CAPPELLA), HONORS	1440 AB - 03151000
MUSIC III CHOIR AB (A CAPPELLA), HONORS	1439 AB - 03151100
MUSIC IV CHOIR AB (A CAPPELLA), HONORS	1441 AB - 03151200
Provides choristers with advanced training in the mastery of vocal pedagogy, rigorous sight-reading and ear	
training, and immersion in all genres of choral music. In addition, students must participate in TMEA All State	Grade level: 9 – 12
auditions, UIL Concert & Sight Reading, UIL Solo and Ensemble auditions, attend concerts and write Concert/	Credit(s): 1
performance critiques, and write papers on assigned composers, musical styles and periods. Attendance at all	College Hour(s): NA
performances is required.	Tier II

<u>Instructional Material:</u> Contact Content Director

<u>Prerequisites:</u> Placement based by audition only; successful performance on sight-reading skills tests; concurrent membership in the most advanced chorus in the school music department taken in sequence. <u>What's Next?</u> N/A

MUSIC I VOCAL ENSEMBLE AB (SHOW CHOIR)	1442 AB - 03152100
MUSIC II VOCAL ENSEMBLE AB (SHOW CHOIR)	1444 AB - 03152200
MUSIC III VOCAL ENSEMBLE AB (SHOW CHOIR)	1446 AB - 03152300
MUSIC IV VOCAL ENSEMBLE AB (SHOW CHOIR)	1448 AB - 03152400
stroduces students to different musical genres and performance styles that are not typically taught in a classical	
horal setting. This musical style can include choreography and introduces vocal techniques necessary for	Grade level: 9 – 12
nderstanding and appreciating fine musical performances through various styles of literature, such as pop, rock,	Credit(s): 1
ontemporary a cappella and jazz. Attendance at all performances and rehearsals is required.	College Hour(s): NA
the student can earn PE credit for Music II, Show Choir IIAB as a TEKS-based course that meets the requirement of	Tier III
00 minutes of moderate to vigorous physical activity per week if it is not being used to satisfy another graduation	
equirement. The teacher does not have to be certified in PE. See Health & Physical Education section for course #.	
nstructional Material: Contact Content Director	
<u>rerequisites:</u> Auditioned by instructor; taken in sequence <u>/hat's Next?</u> N/A	
IUSIC I VOCAL ENSEMBLE AB (SHOW CHOIR), HONORS	1415 AB - 03152100
IUSIC II VOCAL ENSEMBLE AB (SHOW CHOIR), HONORS	1417 AB - 03152200
MUSIC III VOCAL ENSEMBLE AB (SHOW CHOIR), HONORS	1419 AB - 03152300
MUSIC IV VOCAL ENSEMBLE AB (SHOW CHOIR), HONORS	1421 AB - 03152400
ontinues the rigorous immersion for students to experience different musical genres and performance styles that	1421 AD - 03132400
re not typically taught in a classical choral setting. This musical style can include choreography and introduces	Grade level: 9 – 12
ocal techniques necessary for understanding and appreciating fine musical performances through various styles	Credit(s): 1
ocal techniques necessary for understanding and appreciating line musical performances through various styles of literature, such as pop, rock, contemporary a cappella and jazz. Attendance at all performances and rehearsals is	College Hour(s): NA
equired. Students will create audition recordings and prepare audition materials for university and/or professional	Tier II
uditions.	
nstructional Material: Contact Content Director	
rerequisites: Auditioned by instructor; taken in sequence	
<u>Vhat's Next?</u> N/A	
IUSIC I VOCAL ENSEMBLE AB (TREBLE CHOIR)	1451 AB - 03152100
MUSIC II VOCAL ENSEMBLE AB (TREBLE CHOIR)	1453 AB - 03152200
MUSIC III VOCAL ENSEMBLE AB (TREBLE CHOIR)	1455 AB - 03152300
/USIC IV VOCAL ENSEMBLE AB (TREBLE CHOIR)	1457 AB - 03152400
Offers instruction for those students who wish to improve their vocal skills and techniques necessary for the	
erformance of music for treble voices (same as other ensembles). In addition, students are encouraged to	Grade level: 9 – 12
participate in TMEA All State auditions and UIL Solo and Ensemble auditions. Attendance at all performances is	Credit(s): 1
equired, including the UIL Concert & Sight-reading Evaluation.	College Hour(s): NA
nstructional Material: Contact Content Director	Tier III
rerequisites: Placement based by audition only; taken in sequence	
<u>/hat's Next?</u> N/A	
MUSIC I VOCAL ENSEMBLE AB (TREBLE CHOIR), HONORS	1450 AB - 03152100
NUSIC II VOCAL ENSEMBLE AB (TREBLE CHOIR), HONORS	1452 AB - 03152200
NUSIC III VOCAL ENSEMBLE AB (TREBLE CHOIR), HONORS	1454 AB - 03152300
NUSIC IV VOCAL ENSEMBLE AB (TREBLE CHOIR), HONORS	1456 AB - 03152400
rovides students advanced musical instruction in various musical styles and genres of treble choral music.	
ncorporates various choral music techniques in order to better understand and appreciate culturally diverse	Grade level: 9 – 12
tyles of treble music literature. In addition, students are required to participate in TMEA All State auditions, UIL	Credit(s): 1
oncert & Sight Reading, UIL Solo and Ensemble auditions, attend outside concerts and write concert/	College Hour(s): NA
erformance critiques; write papers on assigned composers, musical styles and periods. Attendance at all	Tier II
erformances is required.	
nstructional Material: Contact Content Director Prerequisites: Placement based by audition only; taken in sequence	
<u>vhat's Next?</u> N/A	
MUSIC I VOCAL ENSEMBLE AB (TENOR/BASS CHOIR)	1459 AB - 03152100
NUSIC II VOCAL ENSEMBLE AB (TENOR/BASS CHOIR)	1461 AB - 03152200
MUSIC III VOCAL ENSEMBLE AB (TENOR/BASS CHOIR)	1463 AB - 03152300
MUSIC IV VOCAL ENSEMBLE AB (TENOR/BASS CHOIR)	1465 AB - 03152400
offers instruction for those students who wish to improve their vocal skills and techniques necessary for the	- TOJ AD - 03132400
erformance of music for tenor/bass voices (same as other ensembles). In addition, students are encouraged to	Grade level: 9 – 12
articipate in TMEA All State auditions and UIL Solo and Ensemble auditions. Attendance at all performances,	Credit(s): 1
ncluding the UIL Concert & Sight-reading Evaluation, is required.	College Hour(s): NA
nstructional Material: Contact Content Director	Tier III
rerequisites: Placement based by audition only; taken in sequence	×
recequisites. I accine it based by addition only, taken in sequence	

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What's Next? N/A

MUSIC I VOCAL ENSEMBLE AB (TENOR/BASS CHOIR), HONORS	1460 AB - 03152100
MUSIC II VOCAL ENSEMBLE AB (TENOR/BASS CHOIR), HONORS	1462 AB - 03152200
MUSIC III VOCAL ENSEMBLE AB (TENOR/BASS CHOIR), HONORS	1464 AB - 03152300
MUSIC IV VOCAL ENSEMBLE AB (TENOR/BASS CHOIR), HONORS	1466 AB - 03152400
Provides students advanced musical instruction in various musical styles and genres. Incorporates various choral	
music techniques in order to better understand and appreciate culturally diverse styles of tenor/bass music	
literature. In addition, students are required to participate in TMEA All State auditions, UIL Concert & Sight	Grade level: 9 – 12
Reading, UIL Solo and Ensemble auditions, attend outside concerts and write concert/performance critiques, and	Credit(s): 1
write papers on assigned composers, musical styles and periods. Attendance at all performances is required.	College Hour(s): NA
Instructional Material: Contact Content Director	Tier II
Prerequisites: Placement based by audition only: taken in sequence	

Music Studies

What's Next? N/A

MUSIC STUDIES, MUSIC THEORY I AB	1481 AB
Provides a study of the basic fundamentals of music. Develops an understanding of rhythmic and melodic	03155400
notation, scale structure, intervals, and chords. Provides an opportunity for arranging and composing.	Grade level: 9 - 12
Instructional Material: Contact Content Director	Credit(s): 1
<u>Prerequisites:</u> Taken in sequence	College Hour(s): NA
<u>What's Next?</u> Music Theory II AB	Tier III
MUSIC STUDIES, HONORS MUSIC THEORY I AB	VPA1481 ABH
This course will develop students' understanding of the foundational elements of music. Students will discover the	03155400
building blocks of tonal analysis—pitch and rhythm, through analysis, performance, and composition. Students	
will learn to listen critically, identify and notate intervals, and sight-read. A majority of the time will be spent on	Grade level: 9
pentatonic and modal music, as well as learning all major and minor scales.	Credit(s): 1
Instructional Material: Contact Content Director	College Hour(s): NA
Prerequisites: None	Tier II
What's Next? Honors Music Theory II VPA1483 ABH	
Only available at I.M. Terrell Academy for STEM & VPA.	
MUSIC STUDIES, MUSIC THEORY II AB	1483 AB
Provides continued and advanced study of the basic fundamentals of music. Maintains an understanding of	03155500
rhythmic and melodic notation, scale structure, intervals, and chords. Provides an opportunity for arranging and	
composing.	Grade level: 9 – 12
Instructional Material: Contact Content Director	Credit(s): 1
Prerequisites: Music Theory IAB; taken in sequence	College Hour(s): NA
What's Next? AP Music Theory	Tier III
MUSIC STUDIES, HONORS MUSIC THEORY II AB	VPA1483 ABH
Students will begin to analyze and compose Western tonal music employing the rubrics of rhythm and meter,	03155500
pitch, key signatures, intervals, scales, chords, inversions, harmonic progression, and SATB voice leading. Students	
will also perform melodies and rhythms at sight, and notate dictations of rhythms, melodies and harmonic	Grade level: 10
progressions.	Credit(s): 1
Instructional Material: Contact Content Director	College Hour(s): NA
Prerequisites: Honors Music Theory I VPA1481 ABH; taken in sequence	Tier II
What's Next? AP Music Theory	
Only available at I.M. Terrell Academy for STEM & VPA.	
AP MUSIC THEORY AB	1473 AB
Provides students with a serious introduction to a broad repertoire of musical pieces and develops the listening	A3150200
skills needed to appreciate these pieces as works of art. Compares and contrasts the relationship of musical	
works, composers, forms, and styles to the political and social events of their musical and historical periods.	Grade level: 11 - 12
Students listen to major works, study elements of music, write a research paper, and attend concerts. Satisfies	Credit(s): 1
state fine arts credit.	College Hour(s): NA
Instructional Material: Contact Content Director	Tier I
Prerequisites: Music Theory II AB; taken in sequence for students at IM Terrell Academy for STEM & VPA; other	
campuses by teacher approval	
Course taught by a locally AP trained teacher.	
MUSIC STUDIES, MUSIC PRODUCTION I	1334 AB
MUSIC STUDIES, MUSIC PRODUCTION II	1332 AB
Music Production is designed to supplement the traditional performance-based school music curriculum with	03156200
knowledge and skills increasingly more relevant to 21st century musical practices. Students will learn principles of	03156300
ive sound reinforcement with emphasis placed on creative rather than re-creative aspects of the musical	

experience. This course will integrate musical understanding and contemporary technology. After completing this class, students will be able to assemble, dissemble, and operate basic reinforcement equipment in a live sound Grade level: 9 – 12 environment as well as digitally record and produce audio onto CD/DVD. Additionally, students may find entry-Credit(s): 1 level employment with live music venues, sound companies, and churches as a stage hand, engineer, or an College Hour(s): NA assistant engineer. Tier III Instructional Material: Contact Content Director Prerequisites: Previous instrumental or vocal performance ensemble experience, experience working with computers, common peripherals, and permission of instructor. What's Next? Music and Media Communication II AB HONORS MUSIC STUDIES, MUSIC AND MEDIA COMMUNICATION I AB 1497 ABH Honors Music and Media Communication I students will complete special projects (i.e. research projects, written 03156400 critiques of professional and amateur performances) to earn honors credit. Additional hours are required to Grade level: 9 – 12 produce a portfolio of audio and visual work on CD/DVD, as well as to perform these works at concerts Credit(s): 1 throughout the year. Honors MMC students will demonstrate introductory skills with Pro Tools recording software on the path to earn industry certification. Placement based on audition. This course is offered only at Southwest College Hour(s): NA High School through the Music & Sound Design program. Tier II Instructional Material: No state adopted textbook(s)/Contact Coordinator of Choral and General Music Prerequisites: None What's Next? Music and Media Communication II AB Offered only at: Southwest Music & Sound Design Program **DUAL CREDIT MUSIC STUDIES, MUSIC APPRECIATION I AB** 1504 AB 03155600 TCC Course: Music Appreciation (MUSI 1306) Understanding music through the study of cultural periods, major composers, and musical elements, illustrated ECHS Grade level: 10-12 with audio recordings and live performances. Grade level: NA Instructional Material: NA Credit(s): 1 FWISD & TCC Prerequisites: None College Hour(s): 3 What's Next? N/A Tier I Course taught by an approved District or adjunct instructor. **DUAL CREDIT MUSIC STUDIES, MUSIC AND MEDIA COMMUNICATION I AB** 1495 AB 03156400 TCC Course: American Music (MUSI 1310) General survey of various styles of music in America. Topics may include jazz, ragtime, folk, rock, and ECHS Grade level: 10-12 contemporary art music. Grade level: NA Instructional Material: NA Credit(s): 1 FWISD & TCC Prerequisites: None College Hour(s): 3 What's Next? N/A Tier I Course taught by an approved District or adjunct instructor. MUSIC STUDIES, MUSIC AND MEDIA COMMUNICATION IIAB 1498 AB Music and Media Communications II builds upon the foundational music and technology skills taught in the 03156500 Music and Media Communications I survey course and provides opportunities for students to apply and synthesize knowledge and skills through relevant, real-world projects. Students will explore in depth music-Grade level: 9 - 12 Credit(s): 1 related technical professions and components of media production, including commercial career pathways in advertising, marketing, entertainment, and game design. The course provides hands-on, experiential learning in College Hour(s): NA Tier III music, including composition, recording, production, and performance, integrated with instruction focused on technology applications, media literacy, and 21st century skills. A key focus of the course is on collaborative design and production of musical products and the function of participatory media in contemporary musical contexts. As they learn the role of technology and media in creating and enhancing the impact of a musical work, students will document their work in the course in a professional-level digital portfolio. Students may follow MMC II with Music Production or Instrumental Ensemble (contemporary) based upon audition. This course is offered only at Southwest High School through the Music & Sound Design program. Instructional Material: No state adopted textbook(s)/Contact Coordinator of Choral and General Music Prerequisites: Music and Media Communication I AB; taken in sequence Offered only at: Southwest Music & Sound Design Program HONORS MUSIC STUDIES, MUSIC AND MEDIA COMMUNICATION IIAB 1499 ABH Honors Music and Media Communication II students will complete special projects (i.e. products aimed at sharing 03156500 with a wide audience either through the web or a site-specific interactive performance) to earn honors credit. Additional hours are required to produce a portfolio of audio and visual work on CD/DVD, as well as to perform Grade level: 9 - 12 these works at concerts and special events throughout the year. Honors MMC II students will demonstrate Credit(s): 1 intermediate to advanced skills with Pro Tools recording software on the path to earn industry certification. College Hour(s): NA Placement based on audition. This course is offered only at Southwest High School through the Music & Sound Tier II Design program.

 $\underline{Instructional\ Material:}\ No\ state\ adopted\ textbook (s)/Contact\ Coordinator\ of\ Choral\ and\ General\ Music$

Prerequisites: Music and Media Communication IAB; taken in sequence

Offered only at: Southwest Music & Sound Design Program

FINE ARTS, LEVEL IV, VPA CAPSTONE AB	VPA1000 AB
The aim of this course is to provide opportunity for students to explore college preparation and professional applications of their VPA craft. Advanced credit with college and career readiness focused assignments and special projects will be approved and monitored by the instructor. Students will document their four years of VPA work through the completion of their portfolio in the first semester. Students will receive opportunities to job shadow and/or participate in unpaid practicums, networking, preparation of interview and audition requirements, and be	84500XXX
able to creatively advocate their art to peers and members of the arts community. Students will investigate careers	Grade level: 12
in the arts, develop problem solving skills and apply their art to a service learning action project. Students will	Credit(s): Local Credit
actively prepare their capstone project to be presented in the spring semester (recital, gallery exhibit, direction of	College Hour(s): NA
play, or project).	
Instructional Material: N/A	
<u>Prerequisites:</u> Level I-III of a Fine Arts Content	
What's Next? N/A	
This is for local credit only and only available at I.M. Terrell Academy for STEM & VPA.	

HONORS MUSIC STUDIES, ETHNOMUSICOLOGY: WORLD MUSIC PERSPECTIVES AB
This course explores the ways that music is both shaped by and gives shape to the cultural settings in which it is
performed. This study will consider music as a functional activity in people's lives, as a symbol of historical or
national identity, and as a form of artistic expression. Students will listen to, analyze, perform, and compose music
in a variety of styles from around the world. Course work includes an overview of Western music, cultivating active
listening skills and music journaling/aural analysis, daily hands-on music making, composition, live
demonstrations by guest artists, and ethnographic research projects. Students will gain a deeper understanding

Grade level: 12 Credit(s): 1 College Hour(s): NA **Tier II**

1587 ABH 03155400

Instructional Material: Contact Content Director

Prerequisites: AP Music Theory

of other cultures, as well as their own.

Course is only available at I.M. Terrell Academy for STEM & VPA.

HONORS MUSIC STUDIES, MUSIC AND MOVEMENT: MUSIC THEORY FOR THE DANCER ABH	1586 ABH
The course introduces dancers to the fundamentals of music (rhythm, harmony, and melody) to equip them with	84500XXX
a working musical vocabulary, surveys the history of Western music, and critically engages with contemporary,	
folk, popular, and Non-western music performance and compositional practice in relation to collaboration with	Grade level: 11-12
modern dance choreography. Students will cultivate active listening skills, engage in thought-provoking student-	Credit(s): Local Credit
led discussions and guest lectures, critically analyze and reflect through journaling, participate in daily hands-on	College Hour(s): NA
music making, compose, dance, and present research projects.	

<u>Instructional Material:</u> Contact Content Director

<u>Prerequisites:</u> Teacher approval required; placement by audition only

This is for local credit only and only available at I.M. Terrell Academy for STEM & VPA.

INSTRUMENTAL MUSIC

MARIACHI	GUITAR	PIANO	JAZZ ENSEMBLE
1202, 1204, 1206, 1208	1218, 1220, 1222, 1224	1234, 1236, 1238, 1240	1396, 1397, 1398, 1399

BRASS, WOODWIND, & PERCUSSION

1250, 1252, 1254, 1256

	BAND	INST ENSEMBLE	ORCHESTRA
Sub Non-Varsity	1313, 1314, 1315, 1316	1341, 1342, 1343, 1344	1349, 1350, 1351, 1352
Non-Varsity	1317, 1318, 1319, 1320	1345, 1346, 1347, 1348	1353, 1354, 1355, 1356
Varsity	1382, 1384, 1386, 1388	1402, 1404, 1406, 1408	1410, 1412, 1414, 1416

Students must complete both A and B to receive state graduation credit for fine arts.

Honors courses are also available.

ALL courses require a teacher recommendation and audition for placement.

ATTENDANCE AT ALL REHEARSALS AND PERFORMANCES IS REQUIRED.

MUSIC I BAND (SUB NON-VARSITY) IAB	1313 AB - 03150100
MUSIC II BAND (SUB NON-VARSITY) IIAB	1314 AB - 03150200
MUSIC III BAND (SUB NON-VARSITY) IIIAB	1315 AB - 03150300
MUSIC IV BAND (SUB NON-VARSITY) IVAB	1316 AB - 03150400
Provides instruction for sub non-varsity band students to continue their development of characteristic tone quality,	Grade level: 9 – 12
nstrumental skills/techniques, music literacy, ear training, and marching fundamentals at the appropriate level. This	Credit(s): 1
elect ensemble will require mandatory attendance at all rehearsals, performances, football games, parades, pep	College Hour(s): NA
allies, marching festivals and competitions. In addition to the Fine Arts credit, Band students also receive a .5 PE	Tier III
substitution credit in the first semester for participation in the marching band component of the course. A physical	
examination is required for participation.	
nstructional Material: Contact Content Director	
rerequisites: Placement based on audition; taken in sequence	
MUSIC I BAND (NON-VARSITY) IAB	1317 AB - 03150100
MUSIC II BAND (NON-VARSITY) IIAB	1318 AB - 03150200
MUSIC III BAND (NON-VARSITY) IIIAB	1319 AB - 03150300
MUSIC IV BAND (NON-VARSITY) IV AB	1320 AB - 03150400
Provides instruction for non-varsity band students to continue their development of characteristic tone quality,	Grade level: 9 – 12
nstrumental skills/techniques, music literacy, ear training, and marching fundamentals at the appropriate level. This	Credit(s): 1
elect ensemble will require mandatory attendance at all rehearsals, performances, football games, parades, pep	College Hour(s): NA
allies, marching festivals and competitions. In addition to the Fine Arts credit, Band students also receive a .5 PE	Tier III
ubstitution credit in the first semester for participation in the marching band component of the course. A physical	
examination is required for participation.	
nstructional Material: Contact Content Director	
Prerequisites: Placement based on audition; taken in sequence	
MUSIC I BAND (NON-VARSITY) HONORS IABH	1321 AB - 03150100
MUSIC II BAND (NON-VARSITY) HONORS IIABH	1322 AB - 03150200
MUSIC III BAND (NON-VARSITY) HONORS IIIABH	1323 AB - 03150300
MUSIC IV BAND (NON-VARSITY) HONORS IVABH	1324 AB - 03150400
rovides opportunities for non-varsity band students to earn honors credit for study and performance of above-	Grade level: 9 – 12
evel music and etudes. Independent musicianship, juried recitals (refers to UIL Solo and Ensemble or equivalent),	Credit(s): 1
nd special projects (e.g., research projects, written critiques of professional and amateur performances) to earn	College Hour(s): NA
onors credit. The students are required to prepare and audition for TMEA All-Region and All-District Honors Band.	Tier II
his select ensemble will require mandatory attendance at all rehearsals, performances, football games, parades, pep	
allies, marching festivals and competitions. In addition to the Fine Arts credit, Band students also receive a .5 PE	
ubstitution credit in the first semester for participation in the marching band component of the course. A physical	
examination is required for participation.	

<u>Instructional Material:</u> Contact Content Director

<u>Prerequisites:</u> Placement based on audition; taken in sequence

Examination is required for participation. Structional Material: Contact Content Director Perequisites: Placement based on audition; taken in sequence MUSIC II BAND (VARSITY) HONORS IIABH MUSIC II BAND (VARSITY) HONORS IIABH MUSIC II BAND (VARSITY) HONORS IIABH MUSIC IV BAND (VARSITY) HONORS IIABH To devel music and etudes. Independent musicianship, juried recitals (refers to UIL Solo and Ensemble or equivalent), and special projects, written critiques of professional and amateur performances) to earn on an observation of the students are required to prepare and audition for TMEA All-Region and All-District Honors Band. This select ensemble will require mandatory attendance at all rehearshis, performances, football games, parades, pep alliles, marching festivals and competitions. In addition to the fine Arts credit, Band students also receive a .5 PE substitution credit in the first semester for participation in the marching band component of the course, A physical examination is required for participation. Structional Material, Contact Content Director Perequisites: Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIAB MUSIC I INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIAB MUSI	MUSIC II BAND (VARSITY) IIAB	1384 AB - 03150200
Froodes instruction for variety band students to continue their development of characteristic tone quality, construental skiller cheniques music therapy, care training, and marching fundamentals at the appropriate level. This celect ensemble will require mandatory attendance at all reheransk, performances, football games, parades, per all collections or cell in the first semester for participation in the marching band component of the course. A physical searnination is required for participation in the marching band component of the course. A physical searnination is required for participation. **Retroguislage, Pheement based on audition; taken in sequence** **MUSIC II BAND (VARSITY) HONORS IIABH** **Provides apportunities for variety-level band students to earn honors credit for study and performances of above- evel music and entides, independent musicianship, juried recitals (refers to III. Solo and Ensemble or equivalents and musicianship, juried recitals (refers to III. Solo and Ensemble or equivalents and musicianship, juried recitals (refers to III. Solo and Ensemble or equivalents and musicianship, juried recitals (refers to III. Solo and Ensemble or equivalents and musicianship, juried recitals (refers to III. Solo and Ensemble or equivalents and anothers, and admitted to the second audition for the Ad-II Replan and All-District Honors and College Hours): NA **Ter III** *		
instrumental skills/techniques, mask literarey, and training, and marching fundamentals at the appropriate level. This select ensemble will require mandarity attendance at all rehearsals, performances, forotall games, parades, perpealiles, marching festivals and competitions. In addition to the Fine Arts credit, Band students also receive a .5 PE publication and competitions. In addition to the Fine Arts credit, Band students also receive a .5 PE publication and competitions. In addition to the Fine Arts credit, Band students also receive a .5 PE publication and competitions. In addition to the Fine Arts credit, Band students also receive a .5 PE publication and the properties of the properties. The properties of the prope		
select ensemble will require mandatory attendance at all rehearsals, performances, Football games, parades, pep allels, marching festivals and compretitions, In addition to the fine Arts credit, Band students also receive a 5. PE abstitution credit in the first semester for participation in the marching band component of the course. A physical examination is required for participation. Instructional Materials, Controct Content Director Pricreguistice, Probement based on audition; taken in sequence MUSIC I BAND (VARSITY) HONORS IIABH MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIAB MUSIC II		
Tier III Tier I		. ,
substitution credit in the first semester for participation in the marching band component of the course. A physical semination is required for participation. BILLY (LIBAND (VARSITY) HONORS ILBH 1380 ABH - 03150100 1389 ABH -		_
International Materials: Context Content Director Prerequisites; Placement based on audition: taken in sequence MUSIC II BAND (VARSITY) HONORS IIABH MUSIC II WARD (VARSITY) HONORS IIABH MUSIC II	substitution credit in the first semester for participation in the marching band component of the course. A physical	
NUSIC I BAND (VARSITY) HONORS IABH MUSIC I BAND (VARSITY) HONORS IABH MUSIC II BAND (VARSITY) HONORS IIABH 1380 ABH - 03150200 MUSIC II BAND (VARSITY) HONORS IIABH 1390 ABH - 03150200 MUSIC II BAND (VARSITY) HONORS IIABH 1390 ABH - 03150200 MUSIC II BAND (VARSITY) HONORS IIABH 1390 ABH - 03150200 Frowldes opportunities for varsity-level band students to earn honors credit for study and performance of above- elm usic and eucles. Independent musicianship, juried recitals (refers to UIL Solo and Ensemble or equivalent), and special projects (e.g., research projects, written critiques of professional and amateur performances) to earn nonors credit. The students are required to prepare and audition for TURE AII-Region and AII-District Honors Band. This select ensemble will require mandatory attendance at all rehearsals, performances, football games, parades, per Judice of the course of the cour	examination is required for participation.	
MUSIC II BAND (VARSITY) HONORS IIABH MUSIC II WARD (VARSITY) HONORS IIABH MUSIC II WA		
MUSIC II BAND (VARSITY) HONORS IIIABH MUSIC II BAND (VARSITY) HONORS IIIABH MUSIC IV BAND (VARSITY) HONORS IIIABH MUSIC IV BAND (VARSITY) HONORS IIIABH MUSIC IV BAND (VARSITY) HONORS IVABH 7000/des apportunities for varsity-level band students to earn honors credit for study and performance of above- evel music and etudes. Independent musicianship, juried recitals (refers to UII. Solo and Ensemble or equivalent), and special projects (e.g., research projects, written critiques of professional and amateur performances) to earn nonors credit. The students are required to prepare and audition for TMEA All-Region and All-District Honors Band. This select ensemble will require mandatory attendance at all rehearsals, performances, football games, parades, pep allies, marching festivals and competitions. In addition to the Fine Arts credit, Band students also receive a 5. PE aubstitution credit in the first semester for participation in the marching band component of the course. A physical swainiation is required for participation. Instructional Material: Contact Content Director Percequisities, Placement based on audition: taken in sequence MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIAB 1341 AB - 03151800 1342 AB - 03151800 1343 AB - 03151800 1344 AB - 03151800 1345 AB - 03151800 1346 III Province of the course of		1379 ABH - 03150100
MUSIC IV BAND (VARSITY) HONORS IVABH Provides opportunities for varisty-level band students to earn honors credit for study and performance of above- evel music and etudes. Independent musiclanship, juried recitals (refers to UIL Solo and Ensemble or equivalent), and special projects, written critiques of professional and amateur performances) to earn annors credit. The students are required to prepare and audition for TMEA All-Region and All-District Honors Band, this select ensemble will require mandatory attendance at all rehearsts, performances, football games, parades, per allies, marching festivals and competitions, in addition to the Fine Arts credit, Band students also receive a .5 PE substitution credit in the first semester for participation in the marching band component of the course. A physical seamination is required for participation. Instructional Material. Contort Content Director Perequisites, Placement based on audition; taken in sequence MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIAB MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIAB MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIAB MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IVAB Differs sub non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening, instrumental insemble, Brass Ensembles, Percussion Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies, Attendance at all rehearsials and performance is required. Placement based on audition. **Regregatistics, Placement based on audition, taken in sequence MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIAB MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIAB MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIAB MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIABH MUSIC II INSTRUMENTAL ENSEMBLE		
MUSIC II NEAND (VARSITY) HONORS IVABH 1390 ABH - 0.3150400 Frovides opportunities for varsity-level band students to earn honors credit for study and performance of above- revel music and etudes. Independent musicianship, juried recitals (refers to UIL Solo and Ensemble or equivalent), and special projects (e.g., research projects, written critiques of professional and amateur performances) to earn nonors credit. The students are required to prepare and audition for TMEA All-Region and All-District Honors Band. This select ensemble will require mandatory attendance at all reheavsals, performances, football games, parades, per alliles, marching festivals and competitions. In addition to the Fine Afts credit, Band students also receive a .5 PE substitution credit in the first semester for participation in the marching band component of the course. A physical swamination is required for participation. Instructional Material: Contract Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIAB 1341 AB - 0.3151800 MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIAB 1343 AB - 0.3151800 MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIAB 1344 AB - 0.3151800 1344 AB - 0.3151800 1345 AB - 0.3151800 1346 AB - 0.3151800 1346 Relevel: 9 - 12 Credit(s): 1 Credit(s): 1 Credit(s): 1 Credit(s): 1 College Hour(s): NA Tier III 1341 AB - 0.3151800 1344 AB - 0.3151800 1344 AB - 0.3151800 1345 AB - 0.3151800 1346 AB - 0.3151800 1346 AB - 0.3151800 1347 AB - 0.3151800 1348 AB - 0.3151800 1348 AB - 0.3151800 1349 AB - 0.3151800 1340 AB - 0.3151800 1344 AB - 0.3151800 1345 AB - 0.3151800 1346 AB - 0.3151800 1346 AB - 0.3151800 1346 AB - 0.3151800 1347 AB - 0.3151800 1348 AB - 0.3151800 1348 AB - 0.3151800 1349 AB - 0.3151800 1340 AB - 0.3151800 1340 AB - 0.3151800 1344 AB - 0.3151800 1345 AB - 0.3151800 1346 AB - 0.3151800 1346 AB - 0.3151800 1346 AB - 0.3151800 1347 AB - 0.3151800 1348 AB - 0.3151800 1348 AB		
Provides opportunities for varsity-level band students to earn honors credit for study and performance of above- evel music and etudes. Independent musicianship, juvied recitals (refers to UIL Stol and Ensemble or equivalent), and special projects (e.g., research projects, written critiques of professional and amateur performances) to earn nonors credit. The students are required to prepare and audition for TMEA All-Region and All-District Honors Band. This select ensemble will require mandatory attendance at all rehearsals, performances, football games, parades, perp allies, marching festivals and competitions. In addition to the Fine Arts credit, than students also receive a .5 PE substitution credit in the first semester for participation. Instructional Materials. Contact Content Director Pereguisites; Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIAB MUSIC I INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIAB MUSIC I INSTRUMENTA		
evel music and etudes. Independent musicianship, juried recitals (refers to UII. Solo and Ensemble or equivalent), and special projects (e.g., research projects, writher critiques of professional and amateur performances) to earn onors credit. The students are required to prepare and audition for TMEA All-Region and All-District Honors Band. The professional and and select ensemble will require mandatory attendance at all rehearsals, performances, football games, parades, pep allies, marching festivals and competitions. In addition to the Fine Afs credit, Band students also arceive a s. PE substitution credit in the first semester for participation in the marching band component of the course. A physical sexamination is required for participation. Instructional Material: Contract Content Director Prerequisites Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIAB 1341 AB - 03151700 MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIAB 1342 AB - 03151800 1343 AB - 03151900 1344 AB - 03152000 1345 AB - 03152000 1346 AB - 03152000 1346 AB - 03152000 1347 AB - 03152000 1348 A		
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Tier II Tie	and special projects (e.g., research projects, written critiques of professional and amateur performances) to earn	, ,
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substitution credit in the first semester for participation in the marching band component of the course. A physical sexamination is required for participation. Instructional Material, Contact Content Director Perequisites, Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIAB MUSIC INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIAB MUSIC IVINSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIIAB MUSIC IVINSTRUMENTAL ENSEMBLE (MORE) Instructional Material, Contect Content Director Perequisites, Placement based on audition; taken in sequence MUSIC IVINSTRUMENTAL ENSEMBLE (NON-VARSITY) IIIAB MUSIC IVINSTR	This select ensemble will require mandatory attendance at all rehearsals, performances, football games, parades, pep	
examination is required for participation. Perequisities; Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IAB MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIAB MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIIAB MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIIAB MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIIAB 1344 AB - 03151800 1343 AB - 03151800 1344 AB - 03151800 1345 AB - 03151800 1346 AB - 03151800 1346 AB - 03151800 1347 AB - 03151800 1348 AB - 03151800 1348 AB - 03151800 1349 AB - 03151800 1340 AB - 03151800 1340 AB - 03151800 1344 AB - 03151800 1345 AB - 03151800 1346 AB - 03151800 1347 AB - 03151800 1347 AB - 03151800 1348 AB - 03151800 1347 AB - 03151800 1348 AB - 03151800 1347 AB - 03151800 1348 AB - 03151800 1348 AB - 03151800 1349 AB - 03151800 1349 AB - 03151800 1340 AB - 03151800 1341 AB - 03151800 1345 AB - 03151800 1346 AB - 03151800 1347 AB - 03151800 1348 AB - 03151800 1348 AB - 03151800 1349 AB - 03151800 1349 AB - 03151800 1340 AB - 03151800 1341 AB - 03151800 1342 AB - 03151800 1344 AB - 03151800 1345 AB - 03151800 1346 AB - 03151800 1347 AB - 03151800 1348 AB - 03151800 1348 AB - 03151800 1349 AB - 03151800 1349 AB - 03151800 1340 AB - 03151800 1341 AB - 03151800 1342 AB - 03151800 1344 AB - 03151800 1345 AB - 03151800 1346 AB - 03151800 1347 AB - 03151800 1348 AB - 03151800 1348 AB - 03151800 1349 AB - 03151800 1349 AB - 03151800 1340 AB - 03151800 1341 AB - 03151800 1342 AB - 03151800 1343 AB - 03151800 1344 AB - 03151800 1345 AB - 03151800 1346 AB - 03151800 1347 AB - 03151800 1347 AB - 03151800 1348 AB - 03151800 1348 AB - 03151800 1349 AB - 03151800 134		
Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IAB MUSIC IINSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIAB MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIIAB MUSIC IVINSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IVAB Differs sub non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical scills and increase their music knowledge with literature selected for performance and listening. Instrumental content of the content Director Perrequisites: Placement based on audition, taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIIAB MUSIC I INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIIAB MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIIAB MUSIC III INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIIABH MUSIC III INSTRUMENTAL ENS		
MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IAB MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIAB MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIAB MUSIC III INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIIAB MUSIC III INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IVAB MUSIC III INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IVAB MICROPIA IN INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IVAB MUSIC II INSTRUMENTAL ENSEMBLE (NOB NOBELE (
MUSIC I INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IAB MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIAB MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIIAB MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIIAB MUSIC IV INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIIAB MUSIC IV INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IVAB Differs sub non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening. Instrumental ensembles, per and the performance as the increase their music knowledge with literature selected for performances and listening. Instrumental ensembles, per and the performance is required. Placement based on audition. **RETAIL OF THE PROPERTY OF THE PROP		
MUSIC III INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIIAB MUSIC IV INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IVAB Differs sub non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening, Instrumental ensembles, with literature selected for performance and listening, Instrumental ensembles, precussion Ensembles, String Ensembles, Medium Ensembles, Woodwind Ensembles, Brass Ensembles, Percussion Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies. Attendance at all rehearsals and performances is required. Placement based on audition. Instructional Materials. Contact Content Director Percenguisities; Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIAB MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIAB MUSIC III INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIIAB MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIIABH MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIIABH MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIIABH MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIIABH 1363 ABH - 03151700 MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIIABH 1364 ABH - 03151700 Grad level: 9 - 12 Credit(s): 1 College Hour(s): NA Tier III Tier I	MUSIC I INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IAB	1341 AB - 03151700
MUSIC IV INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IVAB 1344 AB - 03152000 Differs sub non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening. Instrumental Ensembles, Brass Ensembles, Percussion Ensembles, String Ensembles, Medium Ensembles, or individual solo studies. Attendance at all rehearsals and performances is required. Placement based on audition. Instructional Material; Contact Content Director Percequisites; Placement based on audition, taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIAB MUSIC III INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIAB MUSIC III INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIAB MUSIC III INSTRUMENTAL ENSEMBLE (NON-VARSITY) IVAB Differs non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening. Instrumental Ensemble classes may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Brass Ensembles, Percussion Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies. Attendance at all rehearsals and performances is required. Placement based on audition. Instructional Material; Contact Content Director Percequisities; Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIABH MUSIC II INSTRUMENTAL ENSEMBLE (NOR-VARSITY) HONORS IIABH 1363 ABH - 03151000 Grad level: 9 - 12 (Tredit(S): 1 (Tredit(S	MUSIC II INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIAB	1342 AB - 03151800
Offers sub non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening. Instrumental cnsembles, Selesser may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Brass Ensembles, Percussion Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies. Attendance at all rehearsals and performances is required. Placement based on audition. 1345 AB - 03151700 1346 AB - 03151800 1347 AB - 03151800 1347 AB - 03151900 1348 AB - 03152000 1348 AB - 0315100 1349 AB - 0315100 1340 AB - 0315300 1340 AB - 0315300 1345 AB - 0315300 1346 AB - 0315300 1347 AB - 0315300 1348 AB - 0315300 1348 AB - 0315300 1348 AB - 0315300 1349 AB - 0315300 1340 AB - 0315300 1340 AB - 0315300 1341 AB - 0315300 1342 AB - 0315300 1343 AB - 0315300 1344 AB - 0315300 1345 AB - 0315300 1346 AB - 0315300 1347 AB - 0315300 1348 AB - 0315300 1348 AB - 0315300 1349 AB - 0315300 1349 AB - 0315300 1340 AB - 0315300 1340 AB - 0315300 1340 AB - 0315300 1341 AB - 0315300 1342 AB - 0315300 1343 AB - 0315300 1344 AB - 0315300 1345 AB - 0315300 1346 AB - 0315300 1347 AB - 0315300 1348 AB - 0315300 1348 AB - 0315300 1349 AB - 0315300 1349 AB - 0315300 1340 AB - 0315300 1340 AB - 0315300 1340 AB - 0315300 1341 AB - 0315300 1341 AB - 0315300 1342 AB - 0315300 1343 AB - 0315300 1344 AB - 0315300 1345 AB - 0315300 1346 AB - 0315300 1347 AB - 0315300 1348 AB - 0315300 1348 AB - 0315300 1349 AB - 0315300 1349 AB - 0315300 1340 AB - 0315300 1340 AB - 0315300 1340 AB - 0315300 1340 AB - 0315300 1341 AB - 0315300 1342 AB - 0315300 1344 AB - 0315300 1345 AB - 0315300 1346 AB - 0315300 1347 AB - 0315300 1348 AB - 0315300 1349 AB - 0315300 1349 AB - 0315300 1340 AB - 0315300 1340 AB - 0315300 134	MUSIC III INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IIIAB	1343 AB - 03151900
kills and increase their music knowledge with literature selected for performance and listening. Instrumental Cnedit(s): 1 College Hour(s): NA Tier III Tie	MUSIC IV INSTRUMENTAL ENSEMBLE (SUB NON-VARSITY) IVAB	1344 AB - 03152000
Ensemble Classes may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Percussion Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies. Attendance at all rehearsals and performances is required. Placement based on audition. Instructional Material; Contact Content Director Percequisites; Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (NON-VARSITY) IAB MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIAB MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIAB MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) IVAB MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) IVAB Classes may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Brass ensembles, Percussion Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies. Attendance at all rehearsals and performances is required. Placement based on audition, taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IABH MUSIC I INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IABH MUSIC I INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIABH 1363 ABH - 03151800 1364 ABH - 03152000 Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA Tier III Tier	Offers sub non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical	
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Instructional Material; Contact Content Director Prerequisities; Placement based on audition. Instructional Material; Contact Content Director Prerequisities; Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (NON-VARSITY) IAB 1345 AB - 03151700 MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIAB 1346 AB - 03151800 MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIIAB 1347 AB - 03151800 MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIIAB 1348 AB - 03152000 Offers non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening. Instrumental Ensemble Classes may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Brass Instrumental Ensembles, Chamber Ensembles, or individual solo studies. Attendance at all rehearsals and performances is required. Placement based on audition. **Representational Material: Contact Content Director Prerequisites: Placement based on audition: taken in sequence MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IABH 1361 ABH - 03151700 MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIIABH 1362 ABH - 03151800 MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIIABH 1363 ABH - 03151900 Offers non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening. Instrumental Ensemble Classes may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Brass Frassembles, Serencesion Ensembles, Serencesion Ensembles, Serencesion Ensembles, Serencesion Ensembles, Serencesion Ensembles, Chamber Ensembles, Or individual solo studies. Attendance at all rehearsals and performances is required. Placement based on audition. **Representational Material: Contact Content Director Preformance Placement Based on audition. Taken in se		_
Instructional Material: Contact Content Director Prerequisites; Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIAB MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIAB MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIIAB MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIIAB MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIIAB MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) IVAB Differs non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening. Instrumental Ensemble Classes may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Brass Ensembles, Percussion Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies. Attendance at all rehearsals and performances is required. Placement based on audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIABH MUSIC III INSTRUMENTAL ENSEMBLE (VARSITY) IIAB MUSIC III INSTRUMENTAL ENSEMBLE (VARSITY) IIAB MUSIC II INSTRUMENTAL EN		Tier III
MUSIC I INSTRUMENTAL ENSEMBLE (NON-VARSITY) IAB MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIAB MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIAB MUSIC III INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIIAB MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) IIIAB MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) IVAB Offers non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening. Instrumental Ensemble Classes may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Brass all rehearsals and performances is required. Placement based on audition, taken in sequence MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIABH MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIABH MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIIABH MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIABH MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIABH MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIABH 1361 ABH - 03151800 Differs non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening. Instrumental Ensemble Classes may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Brass Ensembles, Percussion Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies. Attendance at all rehearsals and performances is required. Placement based on audition, taken in sequence MUSIC II INSTRUMENTAL ENSEMBLE (VARSITY) IAB MUSIC II INSTRUMENTAL ENSEMBLE (VARSITY) IAB MUSIC II INSTRUMENTAL ENSEMBLE (VARSITY) IIAB 1402 AB - 03151800		
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MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) IVAB Offers non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening. Instrumental Ensemble (Classes may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Brass Ensembles, Percussion Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies. Attendance at all rehearsals and performances is required. Placement based on audition. Instructional Material: Contact Content Director Pererequisites: Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIABH MUSIC III INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIIABH MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIIABH MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IVAB Offers non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening. Instrumental Ensemble Classes may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Brass Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies. Attendance at all rehearsals and performances is required. Placement based on audition. Instructional Material: Contact Content Director Pererequisites: Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (VARSITY) IAB MUSIC I INSTRUMENTAL ENSEMBLE (VARSITY) IIAB 1402 AB - 03151800		1347 AB - 03151900
Offers non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening. Instrumental Ensemble Classes may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Brass Ensembles, Percussion Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies. Attendance at all rehearsals and performances is required. Placement based on audition. **Instructional Material:** Contact Content Director** **Pererequisites:** Placement based on audition; taken in sequence** **MUSIC I INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIABH **MUSIC III INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIIABH **MUSIC IVINSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIIABH **MUSIC IVINSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IVAB **Offers non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening. Instrumental Ensemble Classes may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Brass Ensembles, Percussion Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies. Attendance at all rehearsals and performances is required. Placement based on audition. **Instructional Material:** Contact Content Director** **Pererequisites:** Placement based on audition; taken in sequence** **MUSIC I INSTRUMENTAL ENSEMBLE (VARSITY) IAB** **MUSIC I INSTRUMENTAL ENSEMBLE (VARSITY) IIAB** **MUSIC II INSTRUMENTAL ENSEMBLE (VARSITY) II		
College Hour(s): NA Tier III College Hour(s): NA Tier III Tier III College Hour(s): NA Tier I	Offers non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills	
Tier III III rehearsals and performances is required. Placement based on audition. Instructional Material: Contact Content Director Pererequisites: Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IABH MUSIC III INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIIABH MUSIC IVINSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIIABH MUSIC IVINSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIIABH MUSIC IVINSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IVAB Offers non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening. Instrumental Ensemble Classes may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Brass Ensembles, Percussion Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies. Attendance at all rehearsals and performances is required. Placement based on audition. Instructional Material: Contact Content Director Pererequisites: Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (VARSITY) IAB MUSIC II INSTRUMENTAL ENSEMBLE (VARSITY) IIAB 1402 AB - 03151800	and increase their music knowledge with literature selected for performance and listening. Instrumental Ensemble	, ,
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Prerequisites: Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IABH MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIABH MUSIC III INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIIABH MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IVAB Offers non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening. Instrumental Ensemble Classes may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Brass Ensembles, Percussion Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies. Attendance at all rehearsals and performances is required. Placement based on audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (VARSITY) IIAB MUSIC II INSTRUMENTAL ENSEMBLE (VARSITY) IIAB MUSIC II INSTRUMENTAL ENSEMBLE (VARSITY) IIAB 1361 ABH - 03151700 1362 ABH - 03151800		
MUSIC I INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IABH MUSIC II INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIABH MUSIC III INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIIABH MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IVAB Offers non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening. Instrumental Ensemble Classes may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Brass Ensembles, Percussion Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies. Attendance at all rehearsals and performances is required. Placement based on audition. Instructional Material: Contact Content Director Pererequisites: Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (VARSITY) IIAB MUSIC II INSTRUMENTAL ENSEMBLE (VARSITY) IIAB MUSIC II INSTRUMENTAL ENSEMBLE (VARSITY) IIAB 1361 ABH - 03151700 1362 ABH - 03151800 1363 ABH - 03151800		
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MUSIC III INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IIIABH MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IVAB Offers non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening. Instrumental Ensemble Classes may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Brass Ensembles, Percussion Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies. Attendance at all rehearsals and performances is required. Placement based on audition. Instructional Material: Contact Content Director Pererequisites: Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (VARSITY) IAB MUSIC II INSTRUMENTAL ENSEMBLE (VARSITY) IIAB 1363 ABH - 03151900 1364 ABH - 03152000 Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA Tier II 1402 AB - 03151700 1404 AB - 03151800		
MUSIC IV INSTRUMENTAL ENSEMBLE (NON-VARSITY) HONORS IVAB Offers non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening. Instrumental Ensemble Classes may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Brass Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies. Attendance at all rehearsals and performances is required. Placement based on audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (VARSITY) IAB MUSIC II INSTRUMENTAL ENSEMBLE (VARSITY) IIAB 1364 ABH - 03152000 Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA Tier II 1402 AB - 03151700 1404 AB - 03151800		
Offers non-varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and increase their music knowledge with literature selected for performance and listening. Instrumental Ensemble Classes may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Brass Ensembles, Percussion Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies. Attendance at all rehearsals and performances is required. Placement based on audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (VARSITY) IAB MUSIC II INSTRUMENTAL ENSEMBLE (VARSITY) IIAB Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier II 1402 AB - 03151700 1404 AB - 03151800		
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Tier II Tie	Classes may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Brass	, ,
all rehearsals and performances is required. Placement based on audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (VARSITY) IAB MUSIC II INSTRUMENTAL ENSEMBLE (VARSITY) IIAB 1404 AB - 03151800	Ensembles, Percussion Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies. Attendance at	
Prerequisites: Placement based on audition; taken in sequence MUSIC I INSTRUMENTAL ENSEMBLE (VARSITY) IAB MUSIC II INSTRUMENTAL ENSEMBLE (VARSITY) IIAB 1402 AB - 03151700 1404 AB - 03151800	all rehearsals and performances is required. Placement based on audition.	
MUSIC I INSTRUMENTAL ENSEMBLE (VARSITY) IAB1402 AB - 03151700MUSIC II INSTRUMENTAL ENSEMBLE (VARSITY) IIAB1404 AB - 03151800		
MUSIC II INSTRUMENTAL ENSEMBLE (VARSITY) IIAB 1404 AB - 03151800		4400 AB 00454700
	VIUSIC II INSTRUIVIENTAL ENSEIVIBLE (VARSITY) IIAB	14U4 AB - 03151800

MUSIC IV INSTRUMENTAL ENSEMBLE (VARSITY) IVAB	1408 AB - 03152000
Offers varsity instrumental ensemble students the opportunity to continue to develop and refine technical skills and	Grade level: 9 – 12
ncrease their music knowledge with literature selected for performance and listening. Instrumental Ensemble	Credit(s): 1
Classes may include but are not limited to Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles, Brass Ensembles, Percussion Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies. Attendance at	College Hour(s): NA Tier III
all rehearsals and performances is required. Placement based on audition.	Her III
Instructional Material: Contact Content Director	
Prerequisites: Placement based on audition; taken in sequence	
MUSIC I INSTRUMENTAL ENSEMBLE (VARSITY) HONORS IABH	1365 ABH - 03151700
MUSIC II INSTRUMENTAL ENSEMBLE (VARSITY) HONORS IIABH	1366 ABH - 03151800
MUSIC III INSTRUMENTAL ENSEMBLE (VARSITY) HONORS IIIABH	1367 ABH - 03151900
MUSIC IV INSTRUMENTAL ENSEMBLE (VARSITY) HONORS IVABH	1368 ABH - 03152000
Varsity Instrumental Ensemble students, through Mariachi Ensembles, Medium Ensembles, Woodwind Ensembles,	Grade level: 9 – 12
Brass Ensembles, Percussion Ensembles, String Ensembles, Chamber Ensembles, or individual solo studies, will	Credit(s): 1
demonstrate independent musicianship, perform juried recitals (refers to UIL Solo and Ensemble or equivalent) and	College Hour(s): NA
complete special projects (i.e. research projects, written critiques of professional and amateur performances) to earn	Tier II
honors credit. The students are required to prepare and audition for TMEA All-Region. This select ensemble will	
require mandatory attendance at all rehearsals, concerts, festivals and competitions. Placement based on audition.	
Instructional Material: Contact Content Director	
Prerequisites: Placement based on audition; taken in sequence	4000 47 0017007
MUSIC I, MARIACHI IA/B	1202 AB - 03153800
MUSIC II, MARIACHI IIA/B	1204 AB - 03153900
MUSIC III, MARIACHI IIIA/B	1206 AB - 03154000
MUSIC IV, MARIACHI IVA/B	1208 AB - 03154100
Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on	Grade level: 9 – 12
individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced	Credit(s): 1
with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and	College Hour(s): NA Tier III
superior citizenship to be successful. This is a select ensemble and performances will be given during the semester	1161 111
at concerts, festivals, and contests. Placement based upon audition.	
Instructional Material: Contact Content Director	
<u>Prerequisites:</u> Placement based on audition; taken in sequence	
	1210 ABH - 03153800
MUSIC I, MARIACHI I HONORS I A/B/H	
MUSIC I, MARIACHI I HONORS I A/B/H MUSIC II, MARIACHI II HONORS II A/B/H	1212 ABH - 03153900
MUSIC I, MARIACHI I HONORS I A/B/H MUSIC II, MARIACHI II HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H	1212 ABH - 03153900 1214 ABH - 03154000
MUSIC I, MARIACHI I HONORS I A/B/H MUSIC II, MARIACHI II HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H	1212 ABH - 03153900 1214 ABH - 03154000
MUSIC I, MARIACHI I HONORS I A/B/H MUSIC II, MARIACHI II HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100
MUSIC I, MARIACHI I HONORS I A/B/H MUSIC II, MARIACHI II HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 – 12
Prerequisites: Placement based on audition; taken in sequence MUSIC I, MARIACHI I HONORS I A/B/H MUSIC II, MARIACHI II HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 – 12 Credit(s): 1
MUSIC I, MARIACHI I HONORS I A/B/H MUSIC II, MARIACHI II HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
MUSIC I, MARIACHI I HONORS I A/B/H MUSIC II, MARIACHI II HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. This is a select ensemble and performances will be given during the semester at concerts,	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
MUSIC I, MARIACHI II HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition.	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
MUSIC I, MARIACHI II HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition. Instructional Material: Contact Content Director	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
MUSIC II, MARIACHI II HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA Tier II
MUSIC II, MARIACHI II HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC I, GUITAR IA/B	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA Tier II
MUSIC I, MARIACHI II HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC I, GUITAR IA/B MUSIC II, GUITAR IIA/B	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier II 1218 AB - 03154600 1220 AB - 03154700
MUSIC I, MARIACHI II HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC I, GUITAR IIA/B MUSIC II, GUITAR IIIA/B MUSIC III, GUITAR IIIA/B	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier II 1218 AB - 03154600 1220 AB - 03154700 1222 AB - 03154800
MUSIC I, MARIACHI I HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC I, GUITAR IIA/B MUSIC III, GUITAR IIIA/B MUSIC IV, GUITAR IVA/B	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA Tier II 1218 AB - 03154600 1220 AB - 03154700 1222 AB - 03154800 1224 AB - 03154900
MUSIC I, MARIACHI I HONORS I A/B/H MUSIC II, MARIACHI II HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC I, GUITAR IA/B MUSIC II, GUITAR IIIA/B MUSIC III, GUITAR IIIA/B MUSIC IV, GUITAR IVA/B Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA Tier II 1218 AB - 03154600 1220 AB - 03154700 1222 AB - 03154800 1224 AB - 03154900 Grade level: 9 - 12
MUSIC I, MARIACHI II HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC I, GUITAR IA/B MUSIC II, GUITAR IIIA/B MUSIC III, GUITAR IIIA/B MUSIC IV, GUITAR IVA/B Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier II 1218 AB - 03154600 1220 AB - 03154700 1222 AB - 03154900 Grade level: 9 – 12 Credit(s): 1
MUSIC I, MARIACHI II HONORS II A/B/H MUSIC II, MARIACHI II HONORS III A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC I, GUITAR IIA/B MUSIC II, GUITAR IIIA/B MUSIC III, GUITAR IIIA/B MUSIC IV, GUITAR IVA/B Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet,	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA Tier II 1218 AB - 03154600 1220 AB - 03154700 1222 AB - 03154900 Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA
MUSIC I, MARIACHI II HONORS II A/B/H MUSIC II, MARIACHI III HONORS III A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC I, GUITAR IA/B MUSIC II, GUITAR IIIA/B MUSIC III, GUITAR IIIA/B MUSIC IV, GUITAR IVA/B Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and/or guitarron. Students in this class must demonstrate a high level of commitment and	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier II 1218 AB - 03154600 1220 AB - 03154700 1222 AB - 03154900 Grade level: 9 – 12 Credit(s): 1
MUSIC I, MARIACHI II HONORS II A/B/H MUSIC II, MARIACHI III HONORS III A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, wiolin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC II, GUITAR IIA/B MUSIC II, GUITAR IIA/B MUSIC III, GUITAR IIIA/B MUSIC IV, GUITAR IIIA/B MUSIC IV, GUITAR IVA/B Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and/or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. Performances will be given during the semester at concerts, festivals, and	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA Tier II 1218 AB - 03154600 1220 AB - 03154700 1222 AB - 03154900 Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA
MUSIC I, MARIACHI I HONORS II A/B/H MUSIC II, MARIACHI II HONORS III A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC I, GUITAR IA/B MUSIC II, GUITAR IIA/B MUSIC IV, GUITAR IIA/B MUSIC IV, GUITAR IIIA/B MUSIC IV, GUITAR IVA/B Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and/or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. Performances will be given during the semester at concerts, festivals, and contests. This is a select ensemble and performances will be given during the semester at concerts, festivals, and	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier II 1218 AB - 03154600 1220 AB - 03154700 1222 AB - 03154900 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
MUSIC I, MARIACHI II HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC II, GUITAR IA/B MUSIC III, GUITAR IIIA/B MUSIC IV, GUITAR IIIA/B MUSIC IV, GUITAR IVA/B Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and/or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. Performances will be given during the semester at concerts, festivals, and contests. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition.	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier II 1218 AB - 03154600 1220 AB - 03154700 1222 AB - 03154900 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
MUSIC I, MARIACHI II HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, wiolin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC II, GUITAR IA/B MUSIC III, GUITAR IIIA/B MUSIC IV, GUITAR IIIA/B MUSIC IV, GUITAR IIIA/B Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and/or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. Performances will be given during the semester at concerts, festivals, and contests. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition.	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier II 1218 AB - 03154600 1220 AB - 03154700 1222 AB - 03154900 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
MUSIC I, MARIACHI II HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC I, GUITAR IIA/B MUSIC II, GUITAR IIA/B MUSIC II, GUITAR IIIA/B MUSIC IV, GUITAR IVA/B Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and/or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. Performances will be given during the semester at concerts, festivals, and contests. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition. Instructional Material: Contact Content Director Perequisites: Placement based on audition; taken in sequence	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier II 1218 AB - 03154600 1220 AB - 03154700 1222 AB - 03154900 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III
MUSIC I, MARIACHI II HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition. Instructional Material: Contact Content Director Prerequisites; Placement based on audition; taken in sequence MUSIC I, GUITAR IIA/B MUSIC II, GUITAR IIA/B MUSIC III, GUITAR IIIA/B MUSIC IV, GUITAR IVA/B Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and/or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. Performances will be given during the semester at concerts, festivals, and contests. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA Tier II 1218 AB - 03154600 1220 AB - 03154700 1222 AB - 03154900 Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA Tier III
MUSIC I, MARIACHI II HONORS II A/B/H MUSIC II, MARIACHI III HONORS III A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, vicilin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. This is a select ensemble and performances will be given during the semester at concerts, feestivals, and contests. Placement based upon audition. Instructional Material; Contact Content Director Prerequisites; Placement based on audition; taken in sequence MUSIC I, GUITAR IIA/B MUSIC II, GUITAR IIA/B MUSIC II, GUITAR IIA/B Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, vicilin, vihuela, guitar, and/or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. Performances will be given during the semester at concerts, festivals, and contests. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition, taken in sequence MUSIC I, GUITAR I HONORS A/B/H MUSIC II, GUITAR II HONORS A/B/H	Credit(s): 1 College Hour(s): NA Tier II 1218 AB - 03154600 1220 AB - 03154700 1222 AB - 03154800 1224 AB - 03154900 Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA
MUSIC I, MARIACHI I HONORS II A/B/H MUSIC III, MARIACHI III HONORS III A/B/H MUSIC IV, MARIACHI IV HONORS IV A/B/H Provides students in the proper historical techniques and styles of the mariachi ensemble. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for the intricate rhythm, techniques, styles of the Latino cultural heritage for the voice, trumpet, violin, vihuela, guitar, and /or guitarron. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. This is a select ensemble and performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC I, GUITAR IIA/B MUSIC III, GUITAR IIIA/B MUSIC IV, GUITAR IVA/B	1212 ABH - 03153900 1214 ABH - 03154000 1216 ABH - 03154100 Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA Tier II 1218 AB - 03154600 1220 AB - 03154700 1222 AB - 03154800 1224 AB - 03154900 Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA Tier III 1226 ABH - 03154600 1228 ABH - 03154700

individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with skills needed for advanced techniques and styles for guitar. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. The students are required to prepare and audition for TMEA All-Region and all district sponsored events. Performances will be given during the semester at concerts, festivals, and contests. Placement based upon audition.	Credit(s): 1 College Hour(s): NA Tier II
Instructional Material: Contact Content Director	
Prerequisites: Placement based on audition; taken in sequence	
MUSIC I, PIANO IA/B	1234 AB - 03154200
MUSIC II, PIANO IIA/B	1236 AB - 03154300
MUSIC III, PIANO IIIA/B	1238 AB - 03154400
MUSIC IV, PIANO IVA/B	1240 AB - 03154500
Provides students in the proper fundamentals and technique for piano. Emphasis is placed on individual tone production, fundamentals, technique and music reading. The students are reinforced with the proper repertoire, sequencing, fundamentals and technique for piano. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. Placement based upon audition.	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III
nstructional Material: Contact Content Director	
<u>Prerequisites:</u> Placement based on audition; taken in sequence	
MUSIC I, PIANO I HONORS A/B/H	1242 AB - 03154200
MUSIC II, PIANO II HONORS A/B/H	1244 AB - 03154300
MUSIC III, PIANO III HONORS A/B/H	1246 AB - 03154400
MUSIC IV, PIANO IV HONORS A/B/H	1248 AB - 03154500
Provides students in the proper advanced fundamentals and technique for piano. Emphasis is placed on individual more sophisticated tone production, fundamentals, technique and music reading. The students are reinforced with the proper repertoire, the sequencing of fundamentals and improvement on the technique for piano. Students in this advanced class must demonstrate a high level of commitment and superior citizenship to be successful. Placement based upon audition.	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier II
nstructional Material: Contact Content Director	
Prerequisites: Placement based on audition; taken in sequence	
MUSIC I, INSTRUMENTAL ENSEMBLE IA/B (BRASS, WOODWIND & PERCUSSION I) MUSIC II, INSTRUMENTAL ENSEMBLE IIA/B (BRASS, WOODWIND, & PERCUSSION II) MUSIC III, INSTRUMENTAL ENSEMBLE IIIA/B (BRASS, WOODWIND, & PERCUSSION III) MUSIC IV, INSTRUMENTAL ENSEMBLE IVA/B (BRASS, WOODWIND, & PERCUSSION IV)	1250 AB - 03151700 1252 AB - 03151800 1254 AB - 03151900 1256 AB - 03152000
	1230 AD 03132000
s placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with general skills needed for proper tone, technique, vibrato, and idiomatic style for each instrument and ensemble. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. Performances will be given during the semester at concerts, festivals, and contests. Placement based on	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III
is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with general skills needed for proper tone, technique, vibrato, and idiomatic style for each instrument and ensemble. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. Performances will be given during the semester at concerts, festivals, and contests. Placement based on audition. Instructional Material: Contact Content Director	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
Provides students in the proper techniques and styles of the brass, woodwind and percussion instruments. Emphasis is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with general skills needed for proper tone, technique, vibrato, and idiomatic style for each instrument and ensemble. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. Performances will be given during the semester at concerts, festivals, and contests. Placement based on audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC I, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION I) HONORS IA/B/H MUSIC II, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION II) HONORS IIIA/B/H MUSIC IV, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION IV) HONORS IIIA/B/H MUSIC IV, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION IV) HONORS IVA/B/H	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
is placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with general skills needed for proper tone, technique, vibrato, and idiomatic style for each instrument and ensemble. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. Performances will be given during the semester at concerts, festivals, and contests. Placement based on audition. Instructional Material: Contact Content Director Prerequisites: Placement based on audition; taken in sequence MUSIC I, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION I) HONORS IA/B/H MUSIC II, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION II) HONORS IIA/B/H MUSIC III, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION III) HONORS IIIA/B/H	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 1258 ABH - 03151700 1260 ABH - 03151800 1262 ABH - 03151900
s placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with general skills needed for proper tone, technique, vibrato, and idiomatic style for each instrument and ensemble. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. Performances will be given during the semester at concerts, festivals, and contests. Placement based on audition. Instructional Material: Contact Content Director Perequisites: Placement based on audition; taken in sequence MUSIC I, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION I) HONORS IIA/B/H MUSIC II, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION II) HONORS IIIA/B/H MUSIC IV, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION IV) HONORS IIIA/B/H MUSIC IV, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION IV) HONORS IVA/B/H Provides students in the proper advanced techniques and styles of the brass, woodwind and percussion instruments. Emphasis is placed on an artistic level for individual and ensemble tone production, mastery of advanced undamentals and music reading. The students are reinforced with advanced and honor level skills needed for proper tone, technique, vibrato, and idiomatic style for each instrument and ensemble. Students in this class must demonstrate an advanced honor's level of commitment and superior citizenship to be successful. Performances will be given during the semester at concerts, festivals, and solo and ensemble contests. Placement based on audition. Instructional Material: Contact Content Director	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 1258 ABH - 03151700 1260 ABH - 03151800 1262 ABH - 03152000 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
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s placed on individual and ensemble tone production, mastery of fundamentals, and music reading. The students are reinforced with general skills needed for proper tone, technique, vibrato, and idiomatic style for each instrument and ensemble. Students in this class must demonstrate a high level of commitment and superior citizenship to be uccessful. Performances will be given during the semester at concerts, festivals, and contests. Placement based on audition. Instructional Material: Contact Content Director Perequisites: Placement based on audition; taken in sequence MUSIC I, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION I) HONORS IA/B/H MUSIC II, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION II) HONORS IIA/B/H MUSIC IV, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION IV) HONORS IIA/B/H MUSIC IV, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION IV) HONORS IIA/B/H MUSIC IV, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION IV) HONORS IVA/B/H Provides students in the proper advanced techniques and styles of the brass, woodwind and percussion instruments. Imphasis is placed on an artistic level for individual and ensemble tone production, mastery of advanced undamentals and music reading. The students are reinforced with advanced and honor level skills needed for proper tone, technique, vibrato, and idiomatic style for each instrument and ensemble. Students in this class must lemonstrate an advanced honor's level of commitment and superior citizenship to be successful. Performances will be given during the semester at concerts, festivals, and solo and ensemble contests. Placement based on audition. Instructional Material: Contact Content Director Perequisites: Placement based on audition; taken in sequence MUSIC II, JAZZ ENSEMBLE II MUSIC III, JAZZ ENSEMBLE II MUSIC IV, JAZZ ENSEMBLE II MUSIC IV, JAZZ ENSEMBLE III MUSIC IV, JAZZ ENSEMBLE IV	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 1258 ABH - 03151700 1260 ABH - 03151800 1262 ABH - 03151900 1264 ABH - 03152000 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier II 1396 AB - 03151300 1397 AB - 03151500 1399 AB - 03151600 Grade level: 9 – 12
are reinforced with general skills needed for proper tone, technique, vibrato, and idiomatic style for each instrument and ensemble. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. Performances will be given during the semester at concerts, festivals, and contests. Placement based on audition. Instructional Material: Contact Content Director Perequisites: Placement based on audition; taken in sequence MUSIC I, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION I) HONORS IA/B/H MUSIC II, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION II) HONORS IIA/B/H MUSIC IV, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION IV) HONORS IIA/B/H MUSIC IV, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION IV) HONORS IIA/B/H MUSIC IV, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION IV) HONORS IIA/B/H MUSIC IV, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION IV) HONORS IVA/B/H Provides students in the proper advanced techniques and styles of the brass, woodwind and percussion instruments. Emphasis is placed on an artistic level for individual and ensemble tone production, mastery of advanced fundamentals and music reading. The students are reinforced with advanced and honor level skills needed for proper tone, technique, vibrato, and idiomatic style for each instrument and ensemble. Students in this class must demonstrate an advanced honor's level of commitment and superior citizenship to be successful. Performances will be given during the semester at concerts, festivals, and solo and ensemble contests. Placement based on audition. Instructional Material: Contact Content Director Pererequisites: Placement based on audition; taken in sequence MUSIC II, JAZZ ENSEMBLE II MUSIC IV, JAZZ ENSEMBLE III MUSIC IV, JAZZ ENSEMBLE III MUSIC IV, JAZZ ENSEMBLE IV Differs instruction and practice for a group of selected musicians interested in the study and performance of modern azz, rock, and popular music. Includes the study of improvisation	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 1258 ABH - 03151700 1260 ABH - 03151800 1262 ABH - 03152000 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier II 1396 AB - 03151300 1397 AB - 03151600 1398 AB - 03151600 Grade level: 9 – 12 Credit(s): 1 Credit(s): 1
are reinforced with general skills needed for proper tone, technique, vibrato, and idiomatic style for each instrument and ensemble. Students in this class must demonstrate a high level of commitment and superior citizenship to be successful. Performances will be given during the semester at concerts, festivals, and contests. Placement based on audition. Instructional Material: Contact Content Director Perequisites: Placement based on audition; taken in sequence MUSIC I, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION I) HONORS IA/B/H MUSIC II, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION II) HONORS IIA/B/H MUSIC IV, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION III) HONORS IIA/B/H MUSIC IV, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION IV) HONORS IIA/B/H MUSIC IV, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION IV) HONORS IIA/B/H MUSIC IV, INSTRUMENTAL ENSEMBLE (BRASS, WOODWIND, & PERCUSSION IV) HONORS IVA/B/H Provides students in the proper advanced techniques and styles of the brass, woodwind and percussion instruments. Emphasis is placed on an artistic level for individual and ensemble tone production, mastery of advanced undamentals and music reading. The students are reinforced with advanced and honor level skills needed for proper tone, technique, vibrato, and idiomatic style for each instrument and ensemble. Students in this class must demonstrate an advanced honor's level of commitment and superior citizenship to be successful. Performances will be given during the semester at concerts, festivals, and solo and ensemble contests. Placement based on audition. Instructional Material: Contact Content Director Perequisites: Placement based on audition; taken in sequence MUSIC II, JAZZ ENSEMBLE II MUSIC III, JAZZ ENSEMBLE III MUSIC IV, JAZZ ENSEMBLE III	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 1258 ABH - 03151700 1260 ABH - 03151800 1262 ABH - 03151900 1264 ABH - 03152000 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier II 1396 AB - 03151300 1397 AB - 03151500 1399 AB - 03151600 Grade level: 9 – 12

taken in sequence

MUSIC I, JAZZ ENSEMBLE I, HONORS I A/B/H	1371 ABH - 03151300
MUSIC II, JAZZ ENSEMBLE II, HONORS II A/B/H	1373 ABH - 03151400
MUSIC III, JAZZ ENSEMBLE III, HONORS III A/B/H	1375 ABH - 03151500
MUSIC IV, JAZZ ENSEMBLE IV, HONORS IV A/B/H	1377 ABH - 03151600
Provides opportunities for a selected group of advanced jazz instrumentalist/vocalist to earn honors credit for study	Grade level: 9 – 12
and performance of modern jazz, rock, and popular music. The student will need to attend two major jazz	Credit(s): 1
performances (one per semester), creating a writing critique of each. The student will need to demonstrate	College Hour(s): NA
knowledge of different styles (swing, funk, Latin, etc.) and jazz scales. The student will be required to prepare and audition for TMEA All-Region Jazz Band. Includes the study of improvisation and performance at concerts and	Tier II
special events throughout the year. Attendance at all rehearsals and performances is required. Placement based on	
audition.	
nstructional Material: Contact Content Director	
<u>Prerequisites:</u> Member of band, orchestra, or chorus; auditioned by instructor; must be enrolled in parent group;	
aken in sequence	
MUSIC I, ORCHESTRA AB (SUB NON-VARSITY)	1349 AB - 03150500
MUSIC II, ORCHESTRA AB (SUB NON-VARSITY)	1350 AB - 03150600
MUSIC III, ORCHESTRA AB (SUB NON-VARSITY)	1351 AB - 03150700
MUSIC IV, ORCHESTRA AB (SUB NON-VARSITY)	1352 AB - 03150800
Provides instruction for sub non-varsity orchestra students to continue their development of characteristic tone	Grade level: 9 – 12
quality, instrumental skills/techniques, music literacy, ear training, and fundamentals at the appropriate level.	Credit(s): 1
Attendance at all rehearsals and performances is required. Placement based on audition.	College Hour(s): NA
nstructional Material: Contact Content Director	Tier III
Prerequisites: Placement based on audition; taken in sequence	13E3 AB 031F0F00
MUSIC I, ORCHESTRA (NON-VARSITY) I AB	1353 AB - 03150500
MUSIC II, ORCHESTRA (NON-VARSITY) II AB	1354 AB - 03150600
MUSIC III, ORCHESTRA (NON-VARSITY) III AB	1355 AB - 03150700
MUSIC IV, ORCHESTRA (NON-VARSITY) IV AB	1356 AB - 03150800
Provides instruction for non-varsity orchestra students to continue their development of characteristic tone quality,	Grade level: 9 – 12
instrumental skills/techniques, music literacy, ear training, and fundamentals at the appropriate level. Attendance at all rehearsals and performances is required. Placement based on audition.	Credit(s): 1
Instructional Material: Contact Content Director	College Hour(s): NA
Prerequisites: Placement based on audition; taken in sequence	Tier III
MUSIC I, ORCHESTRA (NON-VARSITY) HONORS I A/B/H	1357 ABH - 03150500
MUSIC II, ORCHESTRA (NON-VARSITY) HONORS II A/B/H	1358 ABH - 03150600
MUSIC III, ORCHESTRA (NON-VARSITY) HONORS III A/B/H	1359 ABH - 03150700
MUSIC IV, ORCHESTRA (NON-VARSITY) HONORS IV A/B/H	1360 ABH - 03150800
Non-varsity orchestra students will demonstrate independent musicianship, perform juried recitals and complete	Grade level: 9 – 12
special projects (i.e. research projects, written critiques of professional and amateur performances) to earn honors	Credit(s): 1
credit. Students are required to prepare and audition for TMEA All-Region. Attendance at all rehearsals and	College Hour(s): NA
performances is required. Placement based on audition.	<u> </u>
nstructional Material: Contact Content Director	Tier II
Prerequisites: Placement based on audition; taken in sequence	
MUSIC I, ORCHESTRA (VARSITY) I AB	1410 AB - 03150500
MUSIC II, ORCHESTRA (VARSITY) II AB	1412 AB - 03150600
MUSIC III, ORCHESTRA (VARSITY) III AB	1414 AB - 03150700
MUSIC IV, ORCHESTRA (VARSITY) IV AB	1416 AB - 03150800
Provides instruction for varsity orchestra students to continue their development of characteristic tone quality,	Grade level: 9 – 12
nstrumental skills/techniques, music literacy, ear training, and fundamentals at the appropriate level. Attendance at	Credit(s): 1
all rehearsals and performances is required. Placement based on audition.	
nstructional Material: Contact Content Director	College Hour(s): NA
Prerequisites: Placement based on audition; taken in sequence	Tier III
HONORS MUSIC I, ORCHESTRA (VARSITY) HONORS I A/B/H	1336 ABH - 03150500
HONORS MUSIC II, ORCHESTRA (VARSITY) HONORS II A/B/H	1337 ABH - 03150600
HONORS MUSIC III, ORCHESTRA (VARSITY) HONORS III A/B/H	1338 ABH - 03150700
ONORS MUSIC IV, ORCHESTRA (VARSITY) HONORS IV A/B/H	1339 ABH - 03150800
'arsity orchestra students will demonstrate independent musicianship, performs juried recitals and complete special	Grade level: 9 – 12
projects (i.e. research projects, written critiques of professional and amateur performances) to earn honors credit.	Credit(s): 1
Students are required to prepare and audition for TMEA All-Region. Attendance at all rehearsals and performances	College Hour(s): NA
s required. Placement based on audition. nstructional Material: <i>Contact Content Director</i>	Tier II
nstructional ivialenal. Contact Content Directol	ilei II

<u>Prerequisites:</u> Placement based on audition; taken in sequence

PERFORMING ARTS - DANCE AND THEATRE ARTS

Principles of Dance	Dance & Media	Communications
1500, 1503, 1505, 1507	1517	7, 1519
Theatre Arts	Technical Theatre	Theatre Production
3731, 3733, 3735, 3773	3751, 3754, 3757, 3759	3755, 3761, 3763, 3765
Musical Theatre	Theatre & Media	a Communications
1484, 1474, 1475, 1476	3736	5, 3738

Honors courses are also available. Some courses require a teacher recommendation and audition. ATTENDANCE AT ALL PERFORMANCES IS REQUIRED.

Students must successfully complete both semesters (AB) to meet the state requirement for fine arts credit.

Students can earn PE credit for Principles of Dance IIAB, Show Choir IIAB, Technical Theatre IIAB or Musical Theatre IIAB as a TEKS-based course that meets the requirement of 100 minutes of moderate to vigorous physical activity per week if it is not being used to satisfy another graduation requirement. The teacher does not have to be certified in PE. See Health & Physical Education section for correct course numbers.

DANCE, LEVEL I, PRINCIPLES OF DANCE I AB	1500 AB - 03830100
DANCE, LEVEL II, PRINCIPLES OF DANCE II AB	1503 AB - 03830200
DANCE, LEVEL III, PRINCIPLES OF DANCE III AB	1505 AB - 03830300
DANCE, LEVEL IV, PRINCIPLES OF DANCE IV AB	1507 AB - 03830400
A primary and basic entry-level dance course for any high school student. Attendance at all rehearsals and	
performances is required.	Grade level: 9 – 12
The student can earn PE credit for Dance II, Principles of Dance IIAB as a TEKS-based course that meets the	Credit(s): 1
requirement of 100 minutes of moderate to vigorous physical activity per week if it is not being used to satisfy another	
graduation requirement. The teacher does not have to be certified in PE. See Health & Physical Education section for	
course #.	
Instructional Material: Discovering Dance Teacher Web Resources; Human Kinetics, 9781492504740, Discovering	College Hour(s): NA
Dance with Web Resource, Human Kinetics, 9781450468862	Tier III
<u>Prerequisites:</u> Teacher recommendation; taken in sequence	
What's Next? Dance II-IV	
HONORS DANCE, LEVEL I PRINCIPLES OF DANCE I ABH	1511 ABH - 03830100
HONORS DANCE, LEVEL II, PRINCIPLES OF DANCE II ABH	1513 ABH - 03830200
HONORS DANCE, LEVEL III, PRINCIPLES OF DANCE III ABH	1515 ABH - 03830300
HONORS DANCE, LEVEL IV, PRINCIPLES OF DANCE IV ABH	1509 ABH - 03830400
Extends and builds on Dance I-IV as established by the TEKS. Focus may include choreography, musical theatre	
dance, auditions, and college preparation. Class activities and assessment projects are unique to this section, and will	Grade level: 9 – 12
include one critique (paper) each semester. Attendance at all rehearsals and performances is required.	Credit(s): 1
Instructional Material: No state-adopted textbook/Contact Content Director	College Hour(s): NA
Prerequisites: Teacher recommendation; taken in sequence	Tier II
What's Next? Dance II-IV	
DANCE, LEVEL I, DANCE WELLNESS I AB	1512 AB - 03834100
DANCE, LEVEL II, DANCE WELLNESS II AB	1514 AB - 03834200
DANCE, LEVEL III, DANCE WELLNESS III AB	1516 AB - 03834300
DANCE, LEVEL IV, DANCE WELLNESS IV AB	1510 AB - 03834400
Provides an opportunity for students to develop a comprehensive understanding of dancer wellness. Topics will	
include, but are not limited to, the mental components (imagery, rest, fatigue, and burnout) as well as the physical	Grade level: 9 – 12
aspects (dancer nutrition, body composition, injury prevention, and first aid) of dancer wellness. Ultimately, students	Credit(s): 1
will design their own personal wellness plan that will help them get the most out of their dance practice. Attendance	College Hour(s): NA
at all rehearsals and performances is required.	Tier III

 $\underline{\textbf{Instructional Material:}}\ \textit{Dancer Wellness with Web Resource by Mary Virginia Wilmerding and Donna Krasnow}$

Prerequisites: Teacher recommendation; taken in sequence

What's Next? Dance II-IV

Course is only available at Arlington Heights, Diamond Hill-Jarvis, and I.M. Terrell Academy.

HONORS DANCE, LEVEL I, DANCE WELLNESS I ABH	1552 ABH - 03834100
HONORS DANCE, LEVEL II, DANCE WELLNESS II ABH	1554 ABH - 03834200
HONORS DANCE, LEVEL III, DANCE WELLNESS III ABH	1556 ABH - 03834300
HONORS DANCE, LEVEL IV, DANCE WELLNESS IV ABH	1558 ABH - 03834400
Provides an opportunity for students to develop a comprehensive understanding of dancer wellness. Topics will	6
include, but are not limited to, the mental components (imagery, rest, fatigue, and burnout) as well as the physical aspects (dancer nutrition, body composition, injury prevention, and first aid) of dancer wellness. Students will	Grade level: 9 – 12 Credit(s): 1
design their own personal wellness plan that will help them get the most out of their dance practice, as well as	College Hour(s): NA
present it to a panel of dance educators/professionals for adjudication at the end of the year. Attendance at all	Tier II
rehearsals and performances is required.	
Instructional Material: Dancer Wellness with Web Resource by Mary Virginia Wilmerding and Donna Krasnow	
Prerequisites: Teacher recommendation; taken in sequence	
What's Next? Dance II-IV Course is only available at Arlington Heights, Diamond Hill-Jarvis, and	
I.M. Terrell Academy.	4533 AB
DANCE, LEVEL I, DANCE PRODUCTION I AB	1522 AB - 03833700
DANCE, LEVEL II, DANCE PRODUCTION II AB	1524 AB - 03833800
DANCE, LEVEL III, DANCE PRODUCTION III AB	1526 AB - 03833900
DANCE, LEVEL IV, DANCE PRODUCTION IV AB	1528 AB - 03834000
Students will participate in a production class each day, focusing on stage management, lighting, sound, and various	Grade level: 9 – 12
other production elements. Attendance at all rehearsals and performances is required. Instructional Material: Dance Production: Design and Technology by Jeremy Hopgood	Credit(s): 1 College Hour(s): NA
<u>Prerequisites:</u> Teacher recommendation; taken in sequence	Tier III
<u>What's Next?</u> Dance II-IV Course is only available at Arlington Heights Diamond Hill-Jarvis, and	ner m
I.M. Terrell Academy.	
HONORS DANCE, LEVEL I, DANCE PRODUCTION I ABH	1553 ABH - 03833700
HONORS DANCE, LEVEL II, DANCE PRODUCTION II ABH	1555 ABH - 03833800
HONORS DANCE, LEVEL III, DANCE PRODUCTION III ABH	1557 ABH - 03833900
HONORS DANCE, LEVEL IV, DANCE PRODUCTION IV ABH	1559 ABH - 03834000
Students will participate in a production class each day, focusing on stage management, lighting, sound, and various	
other production elements. Students must serve as tech crew/stage management for at least one production a	Grade level: 9 – 12
semester (this can be for one act of a performance if they are also performing in the show). Attendance at all	Credit(s): 1
rehearsals and performances is required.	College Hour(s): NA
<u>Instructional Material:</u> Dance Production: Design and Technology by Jeremy Hopgood <u>Prerequisites:</u> Teacher recommendation; taken in sequence	Tier II
<u>What's Next?</u> Dance II-IV Course is only available at Arlington Heights Diamond Hill-Jarvis, and	
I.M. Terrell Academy.	
DANCE, LEVEL I, DANCE HISTORY I AB	1530 AB - 03834700
DANCE, LEVEL II, DANCE HISTORY II AB	1531 AB - 03834800
This course provides students with an interest in dance to expand their understanding of dance as both an art form	
and as a social and cultural artifact. It focuses on the dancers and choreographers, dances, and significant dance	Grade level: 9 – 12
works from each time period. Students will analyze dance works from a variety of time periods. Attendance at all	Credit(s): 1
rehearsals and performances is required.	College Hour(s): NA Tier III
Instructional Material: History of Dance by Gayle Kassing	Her III
<u>Prerequisites:</u> Teacher recommendation; taken in sequence; upper level class for juniors and seniors <u>What's Next?</u> Taken in sequence <u>Course is only available at Arlington Heights and I.M. Terrell Academy.</u>	
HONORS DANCE, LEVEL I, DANCE HISTORY I ABH	1560 ABH - 03834700
HONORS DANCE, LEVEL II, DANCE HISTORY II ABH	1561 ABH - 03834800
This course provides students with an interest in dance to expand their understanding of dance as both an art form	
and as a social and cultural artifact. It focuses on the dancers and choreographers, dances, and significant dance	Grade level: 9 – 12
works from each time period. Students will analyze dance works from a variety of time periods. Students will	Credit(s): 1
produce a project given by their instructor to a panel of dance educators/professionals for adjudication at the	College Hour(s): NA
end of the year. Attendance at all rehearsals and performances is required.	Tier II
Instructional Material: History of Dance by Gayle Kassing	
Prerequisites: Teacher recommendation; taken in sequence; upper level class for juniors and seniors	
What's Next? Taken in sequence Course is only available at Arlington Heights and I.M. Terrell Academy.	4=04 :
DANCE, LEVEL I, DANCE COMPOSITION/IMPROVISATION I AB	1521 AB - 03833300
DANCE, LEVEL II, DANCE PERFORMANCE AND ENSEMBLE II AB	1523 AB - 03833400
DANCE, LEVEL III, DANCE PERFORMANCE AND ENSEMBLE III AB	1525 AB - 03833500
DANCE, LEVEL IV, DANCE PERFORMANCE AND ENSEMBLE IV AB	1527 AB - 03833600
This dance course provides an opportunity for students with an interest in choreography and performance to	Crada lavel: 0 12
experience what it is like to work and perform at a professional level. Students will participate in technique class	Grade level: 9 – 12
each day; focusing on technique, artistry, alignment, and movement quality. Students in Performance/Ensemble will focus on learning repertory, performance, and rehearsal skills. Course recommended for dance officers, leaders, and	Credit(s): 1 College Hour(s): NA
ocus on learning repertory, performance, and reneals at skills. Course recommended for dance officers, fedders, and	College Flour(s). INA

udent directing, and enhanced complexity in dance education. Attendance at all rehearsals and performances is equired.	Tier III
Istructional Material: Dance Composition/Improvisation - Choreography: A Basic Approach Using Improvisation by Candra Cerny Minton; Dance Performance & Ensemble - No state-adopted textbook/Contact Content Director	
r <u>erequisites:</u> Teacher recommendation; taken in sequence	
<u>/hat's Next?</u> Dance II-IV Course is only available at Arlington Heights and I.M. Terrell Academy.	
ONORS DANCE, LEVEL I, DANCE COMPOSITION/IMPROVISATION I ABH	1562 ABH - 03833300
ONORS DANCE, LEVEL II, DANCE PERFORMANCE AND ENSEMBLE II ABH	1564 ABH - 03833400
ONORS DANCE, LEVEL III, DANCE PERFORMANCE AND ENSEMBLE III ABH	1566 ABH - 03833500
ONORS DANCE, LEVEL IV, DANCE PERFORMANCE AND ENSEMBLE IV ABH	1568 ABH - 03833600
nis dance course provides an opportunity for students with an interest in choreography and performance to	
sperience what it is like to work and perform at a professional level. Students will focus on learning repertory,	Grade level: 9 – 12
erformance, and rehearsal skills. Students will be required to participate in at least one additional	Credit(s): 1
erformance/production a year, a dance critique/critical analysis paper in the Fall as well as an end of the year	College Hour(s): NA
resentation at the end of the Spring semester. Course recommended for dance officers, leaders, and potential	Tier II
ance majors for the purpose of providing instruction and opportunities for student choreography, student	
irecting, and enhanced complexity in dance education. Attendance at all rehearsals and performances is required.	
structional Material: Dance Composition/Improvisation - Choreography: A Basic Approach Using Improvisation by	
andra Cerny Minton; Dance Performance & Ensemble	
rerequisites: Teacher recommendation; taken in sequence	
<u>/hat's Next?</u> Dance II-IV Course is only available at Arlington Heights and I.M. Terrell Academy.	
ANCE, LEVEL I, BALLET I AB	1532 AB - 03830500
ANCE, LEVEL II, BALLET II AB	1534 AB - 03830600
ANCE, LEVEL III, BALLET III AB	1536 AB - 03830700
ANCE, LEVEL IV, BALLET IV AB	1538 AB - 03830800
nis course provides an opportunity for students with an interest in ballet to be immersed in this codified dance	Grade level: 9 – 12
echnique. Students will participate in a traditional ballet class each day, focusing on technique, artistry, alignment,	Credit(s): 1
nd movement quality. Attendance at all rehearsals and performances is required.	College Hour(s): NA
structional Material: Technical Manual and Dictionary of Classical Ballet by Gail Grant	Tier III
rerequisites: Teacher recommendation; taken in sequence	
/hat's Next? Dance II-IV Course is only available at Arlington Heights and I.M. Terrell Academy.	
ONORS DANCE, LEVEL I, BALLET I ABH	1563 ABH - 03830500
ONORS DANCE, LEVEL II, BALLET II ABH	1565 ABH - 03830600
ONORS DANCE, LEVEL III, BALLET III ABH	1567 ABH - 03830700
ONORS DANCE, LEVEL IV, BALLET IV ABH	1569 ABH - 03830800
nis course provides an opportunity for students with an interest in ballet to be immersed in this codified dance	Grade level: 9 – 12
echnique. Students will participate in a traditional ballet class each day, focusing on technique, artistry, alignment,	Credit(s): 1
nd movement quality. Students will be required to perform in one production per semester. Attendance at all	College Hour(s): NA
hearsals and performances is required.	Tier II
structional Material: Technical Manual and Dictionary of Classical Ballet by Gail Grant	
rerequisites: Teacher recommendation; taken in sequence	
/hat's Next? Dance II-IV Course is only available at Arlington Heights and I.M. Terrell Academy.	4
ANCE, LEVEL I, WORLD DANCE FORMS I AB	1533 AB - 03832100
ANCE, LEVEL I, WORLD DANCE FORMS I AB ANCE, LEVEL II, WORLD DANCE FORMS II AB	1535 AB - 03832200
ANCE, LEVEL I, WORLD DANCE FORMS I AB ANCE, LEVEL II, WORLD DANCE FORMS II AB ANCE, LEVEL III, WORLD DANCE FORMS III AB	1535 AB - 03832200 1537 AB - 03832300
ANCE, LEVEL I, WORLD DANCE FORMS I AB ANCE, LEVEL II, WORLD DANCE FORMS II AB	1535 AB - 03832200
ANCE, LEVEL I, WORLD DANCE FORMS I AB ANCE, LEVEL II, WORLD DANCE FORMS II AB ANCE, LEVEL III, WORLD DANCE FORMS III AB ANCE, LEVEL IV, WORLD DANCE FORMS IV AB his dance course provides an opportunity for students with an interest in world dance to be exposed to dances that	1535 AB - 03832200 1537 AB - 03832300 1539 AB - 03832400
ANCE, LEVEL I, WORLD DANCE FORMS I AB ANCE, LEVEL II, WORLD DANCE FORMS II AB ANCE, LEVEL III, WORLD DANCE FORMS III AB ANCE, LEVEL IV, WORLD DANCE FORMS IV AB his dance course provides an opportunity for students with an interest in world dance to be exposed to dances that re part of cultures, traditions, customs, and rituals from around the world. Students will participate in a movement-	1535 AB - 03832200 1537 AB - 03832300 1539 AB - 03832400 Grade level: 9 – 12
ANCE, LEVEL I, WORLD DANCE FORMS I AB ANCE, LEVEL II, WORLD DANCE FORMS II AB ANCE, LEVEL III, WORLD DANCE FORMS III AB ANCE, LEVEL IV, WORLD DANCE FORMS IV AB nis dance course provides an opportunity for students with an interest in world dance to be exposed to dances that re part of cultures, traditions, customs, and rituals from around the world. Students will participate in a movement-ased class each day, focusing on technique, artistry, alignment, and movement quality. Recommended for	1535 AB - 03832200 1537 AB - 03832300 1539 AB - 03832400 Grade level: 9 – 12 Credit(s): 1
ANCE, LEVEL I, WORLD DANCE FORMS I AB ANCE, LEVEL II, WORLD DANCE FORMS II AB ANCE, LEVEL III, WORLD DANCE FORMS III AB ANCE, LEVEL IV, WORLD DANCE FORMS IV AB nis dance course provides an opportunity for students with an interest in world dance to be exposed to dances that re part of cultures, traditions, customs, and rituals from around the world. Students will participate in a movement-ased class each day, focusing on technique, artistry, alignment, and movement quality. Recommended for ampuses offering Ballet Folklorico. Attendance at all rehearsals and performances is required.	1535 AB - 03832200 1537 AB - 03832300 1539 AB - 03832400 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
ANCE, LEVEL I, WORLD DANCE FORMS I AB ANCE, LEVEL II, WORLD DANCE FORMS II AB ANCE, LEVEL III, WORLD DANCE FORMS III AB ANCE, LEVEL IV, WORLD DANCE FORMS IV AB nis dance course provides an opportunity for students with an interest in world dance to be exposed to dances that re part of cultures, traditions, customs, and rituals from around the world. Students will participate in a movement-ased class each day, focusing on technique, artistry, alignment, and movement quality. Recommended for ampuses offering Ballet Folklorico. Attendance at all rehearsals and performances is required. Instructional Material: No state-adopted textbook/Contact Content Director	1535 AB - 03832200 1537 AB - 03832300 1539 AB - 03832400 Grade level: 9 – 12 Credit(s): 1
ANCE, LEVEL I, WORLD DANCE FORMS I AB ANCE, LEVEL II, WORLD DANCE FORMS II AB ANCE, LEVEL III, WORLD DANCE FORMS III AB ANCE, LEVEL IV, WORLD DANCE FORMS IV AB nis dance course provides an opportunity for students with an interest in world dance to be exposed to dances that re part of cultures, traditions, customs, and rituals from around the world. Students will participate in a movement-ased class each day, focusing on technique, artistry, alignment, and movement quality. Recommended for ampuses offering Ballet Folklorico. Attendance at all rehearsals and performances is required. Instructional Material: No state-adopted textbook/Contact Content Director rerequisites: Teacher recommendation; taken in sequence	1535 AB - 03832200 1537 AB - 03832300 1539 AB - 03832400 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
ANCE, LEVEL II, WORLD DANCE FORMS II AB ANCE, LEVEL III, WORLD DANCE FORMS III AB ANCE, LEVEL III, WORLD DANCE FORMS III AB ANCE, LEVEL IV, WORLD DANCE FORMS IV AB his dance course provides an opportunity for students with an interest in world dance to be exposed to dances that re part of cultures, traditions, customs, and rituals from around the world. Students will participate in a movement- assed class each day, focusing on technique, artistry, alignment, and movement quality. Recommended for ampuses offering Ballet Folklorico. Attendance at all rehearsals and performances is required. astructional Material: No state-adopted textbook/Contact Content Director rerequisites: Teacher recommendation; taken in sequence Anat's Next? Dance II-IV Course is only available at Arlington Heights, I.M. Terrell Academy and Diamond Hill-Jarvis.	1535 AB - 03832200 1537 AB - 03832300 1539 AB - 03832400 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III
ANCE, LEVEL II, WORLD DANCE FORMS II AB ANCE, LEVEL III, WORLD DANCE FORMS III AB ANCE, LEVEL III, WORLD DANCE FORMS III AB ANCE, LEVEL IV, WORLD DANCE FORMS IV AB his dance course provides an opportunity for students with an interest in world dance to be exposed to dances that re part of cultures, traditions, customs, and rituals from around the world. Students will participate in a movement-assed class each day, focusing on technique, artistry, alignment, and movement quality. Recommended for ampuses offering Ballet Folklorico. Attendance at all rehearsals and performances is required. Instructional Material: No state-adopted textbook/Contact Content Director rerequisites: Teacher recommendation; taken in sequence Inat's Next? Dance II-IV Course is only available at Arlington Heights, I.M. Terrell Academy and Diamond Hill-Jarvis. IONORS DANCE, LEVEL I, WORLD DANCE FORMS I ABH	1535 AB - 03832200 1537 AB - 03832300 1539 AB - 03832400 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III
ANCE, LEVEL II, WORLD DANCE FORMS II AB ANCE, LEVEL III, WORLD DANCE FORMS III AB ANCE, LEVEL III, WORLD DANCE FORMS III AB ANCE, LEVEL IV, WORLD DANCE FORMS IV AB his dance course provides an opportunity for students with an interest in world dance to be exposed to dances that re part of cultures, traditions, customs, and rituals from around the world. Students will participate in a movement-assed class each day, focusing on technique, artistry, alignment, and movement quality. Recommended for ampuses offering Ballet Folklorico. Attendance at all rehearsals and performances is required. Instructional Material: No state-adopted textbook/Contact Content Director rerequisites: Teacher recommendation; taken in sequence Inda's Next? Dance II-IV Course is only available at Arlington Heights, I.M. Terrell Academy and Diamond Hill-Jarvis. IONORS DANCE, LEVEL I, WORLD DANCE FORMS I ABH IONORS DANCE, LEVEL II, WORLD DANCE FORMS II ABH	1535 AB - 03832200 1537 AB - 03832300 1539 AB - 03832400 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 1570 ABH - 03832100 1572 ABH - 03832200
ANCE, LEVEL II, WORLD DANCE FORMS II AB ANCE, LEVEL III, WORLD DANCE FORMS III AB ANCE, LEVEL III, WORLD DANCE FORMS III AB ANCE, LEVEL IV, WORLD DANCE FORMS IV AB his dance course provides an opportunity for students with an interest in world dance to be exposed to dances that re part of cultures, traditions, customs, and rituals from around the world. Students will participate in a movement-assed class each day, focusing on technique, artistry, alignment, and movement quality. Recommended for ampuses offering Ballet Folklorico. Attendance at all rehearsals and performances is required. Instructional Material: No state-adopted textbook/Contact Content Director rerequisites: Teacher recommendation; taken in sequence Instructional Material: Vocurse is only available at Arlington Heights, I.M. Terrell Academy and Diamond Hill-Jarvis. IONORS DANCE, LEVEL I, WORLD DANCE FORMS I ABH IONORS DANCE, LEVEL II, WORLD DANCE FORMS III ABH IONORS DANCE, LEVEL III, WORLD DANCE FORMS III ABH	1535 AB - 03832200 1537 AB - 03832300 1539 AB - 03832400 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 1570 ABH - 03832100 1572 ABH - 03832200 1574 ABH - 03832300
ANCE, LEVEL II, WORLD DANCE FORMS II AB ANCE, LEVEL III, WORLD DANCE FORMS III AB ANCE, LEVEL III, WORLD DANCE FORMS III AB ANCE, LEVEL IV, WORLD DANCE FORMS IV AB his dance course provides an opportunity for students with an interest in world dance to be exposed to dances that re part of cultures, traditions, customs, and rituals from around the world. Students will participate in a movement-assed class each day, focusing on technique, artistry, alignment, and movement quality. Recommended for ampuses offering Ballet Folklorico. Attendance at all rehearsals and performances is required. Instructional Material: No state-adopted textbook/Contact Content Director rerequisites: Teacher recommendation; taken in sequence Instructional Material: Vocurse is only available at Arlington Heights, I.M. Terrell Academy and Diamond Hill-Jarvis. IONORS DANCE, LEVEL I, WORLD DANCE FORMS I ABH IONORS DANCE, LEVEL III, WORLD DANCE FORMS II ABH IONORS DANCE, LEVEL III, WORLD DANCE FORMS III ABH IONORS DANCE, LEVEL IV, WORLD DANCE FORMS III ABH IONORS DANCE, LEVEL IV, WORLD DANCE FORMS III ABH IONORS DANCE, LEVEL IV, WORLD DANCE FORMS IV ABH	1535 AB - 03832200 1537 AB - 03832300 1539 AB - 03832400 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 1570 ABH - 03832100 1572 ABH - 03832200
ANCE, LEVEL II, WORLD DANCE FORMS II AB ANCE, LEVEL III, WORLD DANCE FORMS III AB ANCE, LEVEL III, WORLD DANCE FORMS III AB ANCE, LEVEL IV, WORLD DANCE FORMS IV AB In is dance course provides an opportunity for students with an interest in world dance to be exposed to dances that the part of cultures, traditions, customs, and rituals from around the world. Students will participate in a movement-assed class each day, focusing on technique, artistry, alignment, and movement quality. Recommended for ampuses offering Ballet Folklorico. Attendance at all rehearsals and performances is required. Instructional Material: No state-adopted textbook/Contact Content Director rerequisites: Teacher recommendation; taken in sequence India's Next? Dance II-IV Course is only available at Arlington Heights, I.M. Terrell Academy and Diamond Hill-Jarvis. IONORS DANCE, LEVEL II, WORLD DANCE FORMS I ABH IONORS DANCE, LEVEL III, WORLD DANCE FORMS III ABH IONORS DANCE, LEVEL III, WORLD DANCE FORMS III ABH IONORS DANCE, LEVEL IV, WORLD DANCE FORMS IV ABH In is dance course provides an opportunity for students with an interest in world dance to be exposed to dances that	1535 AB - 03832200 1537 AB - 03832300 1539 AB - 03832400 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 1570 ABH - 03832100 1572 ABH - 03832200 1574 ABH - 03832300 1576 ABH - 03832400
ANCE, LEVEL II, WORLD DANCE FORMS II AB ANCE, LEVEL III, WORLD DANCE FORMS III AB ANCE, LEVEL III, WORLD DANCE FORMS III AB ANCE, LEVEL IV, WORLD DANCE FORMS IV AB his dance course provides an opportunity for students with an interest in world dance to be exposed to dances that re part of cultures, traditions, customs, and rituals from around the world. Students will participate in a movement-assed class each day, focusing on technique, artistry, alignment, and movement quality. Recommended for ampuses offering Ballet Folklorico. Attendance at all rehearsals and performances is required. Instructional Material: No state-adopted textbook/Contact Content Director rerequisites: Teacher recommendation; taken in sequence Instructional Material: Vocurse is only available at Arlington Heights, I.M. Terrell Academy and Diamond Hill-Jarvis. IONORS DANCE, LEVEL I, WORLD DANCE FORMS I ABH IONORS DANCE, LEVEL III, WORLD DANCE FORMS II ABH IONORS DANCE, LEVEL III, WORLD DANCE FORMS III ABH IONORS DANCE, LEVEL IV, WORLD DANCE FORMS III ABH IONORS DANCE, LEVEL IV, WORLD DANCE FORMS III ABH IONORS DANCE, LEVEL IV, WORLD DANCE FORMS IV ABH	1535 AB - 03832200 1537 AB - 03832300 1539 AB - 03832400 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 1570 ABH - 03832100 1572 ABH - 03832200 1574 ABH - 03832300

Instructional Material: No state-adopted textbook/Contact Content Director	Tier II
<u>Prerequisites:</u> Teacher recommendation; taken in sequence	
<u>Vhat's Next?</u> Dance II-IV	
ourse is only available at Arlington Heights, I.M. Terrell Academy and Diamond Hill-Jarvis.	
DANCE, LEVEL I, TAP I AB	1540 AB - 03831700
DANCE, LEVEL II, TAP II AB	1542 AB - 03831800
DANCE, LEVEL III, TAP III AB	1544 AB - 03831900
DANCE, LEVEL IV, TAP IV AB	1546 AB - 03832000
This dance course provides an opportunity for students with an interest in Tap Dance to be immersed in this	
codified dance technique. Students will participate in a Tap technique class each day, focusing on technique,	Grade level: 9 – 12
rtistry, alignment, and movement quality. Attendance at all rehearsals and performances is required.	Credit(s): 1
nstructional Material: No state-adopted textbook/Contact Content Director	College Hour(s): NA
Prerequisites: Teacher recommendation; taken in sequence	Tier III
What's Next? Dance II-IV Course is only available at Arlington Heights and I.M. Terrell Academy.	
IONORS DANCE, LEVEL I, TAP I ABH	1571 ABH - 03831700
IONORS DANCE, LEVEL II, TAP II ABH	1573 ABH - 03831800
HONORS DANCE, LEVEL III, TAP III ABH	1575 ABH - 03831900
HONORS DANCE, LEVEL IV, TAP IV ABH	1577 ABH - 03832000
his dance course provides an opportunity for students with an interest in Tap Dance to be immersed in this	
odified dance technique. Students will participate in a Tap technique class each day, focusing on technique,	Grade level: 9 – 12
artistry, alignment, and movement quality. Students will be required to perform in one production per semester.	Credit(s): 1
Attendance at all rehearsals and performances is required.	College Hour(s): NA
nstructional Material: No state-adopted textbook/Contact Content Director	Tier II
Prerequisites: Teacher recommendation; taken in sequence	
<u>Mhat's Next?</u> Dance II-IV	1541 AB 02020000
DANCE, LEVEL I, MODERN/CONTEMPORARY I AB	1541 AB - 03830900
DANCE, LEVEL II, MODERN/CONTEMPORARY II AB	1543 AB - 03831000
DANCE, LEVEL III, MODERN/CONTEMPORARY III AB	1545 AB - 03831100
DANCE, LEVEL IV, MODERN/CONTEMPORARY IV AB	1547 AB - 03831200
This dance course provides an opportunity for students with an interest in modern dance to be immersed in this	C
codified dance technique. Students will participate in a modern technique class each day, focusing on technique, artistry, alignment, and movement quality. Along with focusing on technique, students will work on choreographic	Grade level: 9 – 12 Credit(s): 1
skills and phrase work. Attendance at all rehearsals and performances is required.	College Hour(s): NA
nstructional Material: No state-adopted textbook/Contact Content Director	Tier III
Prerequisites: Teacher recommendation; taken in sequence	ner m
<u>Nhat's Next?</u> Dance II-IV Course is only available at Arlington Heights and I.M. Terrell Academy.	
HONORS DANCE, LEVEL I, MODERN/CONTEMPORARY I ABH	1578 ABH - 03830900
HONORS DANCE, LEVEL II, MODERN/CONTEMPORARY II ABH	1580 ABH - 03831000
HONORS DANCE, LEVEL III, MODERN/CONTEMPORARY III ABH	1582 ABH - 03831100
HONORS DANCE, LEVEL IV, MODERN/CONTEMPORARY IV ABH	1584 ABH - 03831200
This dance course provides an opportunity for students with an interest in modern dance to be immersed in this	130171211 03031200
odified dance technique. Students will participate in a modern technique class each day, focusing on technique,	Grade level: 9 – 12
irtistry, alignment, and movement quality. Along with focusing on technique, students will work on choreographic	Credit(s): 1
kills and phrase work. Students will be required to perform in one production per semester. Attendance at all	College Hour(s): NA
ehearsals and performances is required.	Tier II
nstructional Material: No state-adopted textbook/Contact Content Director	
Prerequisites: Teacher recommendation; taken in sequence	
<u>Vhat's Next?</u> Dance II-IV Course is only available at Arlington Heights and I.M. Terrell Academy.	
DVANCED STUDIES IN MODERN DANCE, LEVEL IV, MODERN/CONTEMPORARY IV AB	1588 AB
n this collegiate level dance course, students will be immersed in a rigorous version of Modern Dance. Daily, tudents will be engaged in a codified Modern technique, artistry, alignment, and movement at the highest level. In	03831200
ddition, students will focus on choreographic skills, phrase work, and the anatomy of a dancer. Students will be	Grade level: 12
equired to perform in one production per semester, as well as required to have written, oral, and physical	Credit(s): 1
ummative and formative assessments: demonstrating and showcasing mastery of the various codified Modern	College Hour(s): NA
echnique studies (Floor Work, Fortifications, Preludes, etc. are a few examples from various codified modern	Tier I

<u>Instructional Material:</u> No state-adopted textbook/Contact Content Director

<u>Prerequisites:</u> Teacher recommendation; taken in sequence

What's Next? NA

Course is only available at I.M. Terrell Academy.

DANIEL LEVEL L. 1477 LAD	4540.45
DANCE, LEVEL II, JAZZ II AB	1548 AB - 03831300 1549 AB - 03831400
DANCE, LEVEL II, JAZZ II AB DANCE, LEVEL III, JAZZ III AB	1549 AB - 03831400 1550 AB - 03831500
DANCE, LEVEL III, JAZZ III AB DANCE, LEVEL IV, JAZZ IV AB	1551 AB - 03831600
This dance course provides an opportunity for students with an interest in Jazz Dance to be immersed in this	1321112 03031000
codified dance technique. Students will participate in a Jazz technique class each day, focusing on technique,	Grade level: 9 – 12
artistry, alignment, and movement quality. Attendance at all rehearsals and performances is required.	Credit(s): 1
nstructional Material: No state-adopted textbook/Contact Content Director	College Hour(s): NA
<u>Prerequisites:</u> Teacher recommendation; taken in sequence What's Next? Dance II-IV	Tier III
Course is only available at Arlington Heights and I.M. Terrell Academy.	
HONORS DANCE, LEVEL I, JAZZ I ABH	1579 ABH - 03831300
HONORS DANCE, LEVEL II, JAZZ II ABH	1581 ABH - 03831400
IONORS DANCE, LEVEL III, JAZZ III ABH	1583 ABH - 03831500
HONORS DANCE, LEVEL IV, JAZZ IV ABH	1585 ABH - 03831600
his dance course provides an opportunity for students with an interest in Jazz Dance to be immersed in this	
odified dance technique. Students will participate in a Jazz technique class each day, focusing on technique,	Grade level: 9 – 12
rtistry, alignment, and movement quality. Students will be required to perform in one production per semester.	Credit(s): 1
httendance at all rehearsals and performances is required. Instructional Material: No state-adopted textbook/Contact Content Director	College Hour(s): NA Tier II
nstructional Material: No state-adopted textbook/Contact Content Director Prerequisites: Teacher recommendation; taken in sequence	iler ii
<u>/hat's Next?</u> Dance II-IV	
DUAL CREDIT DANCE, LEVEL I PRINCIPLES OF DANCE I A	1501 A
CC Course: Dance Appreciation (DANC 2303)	03830100
urvey of primitive, classical, and contemporary dance and its interrelationship with cultural developments and other rt forms.	ECHS Grade level: 9-12 Grade level: 9 - 12
nstructional Material: NA	Credit(s): 1
WISD Prerequisites: Parental permission; taken in sequence	College Hour(s): 3
Vhat's Next? N/A Course taught by an approved District or adjunct instructor. DUAL CREDIT DANCE, LEVEL I PRINCIPLES OF DANCE I B	Tier I 1501 B
CC Course: Ballet I (DANC 1341)	03830100
nstruction and participation in ballet technique.	ECHS Grade level: 9-12 Grade level: 9 - 12
nstructional Material: NA	Credit(s): 1
WISD Prerequisites: Parental permission; taken in sequence	College Hour(s): 3
Nhat's Next? N/A Course taught by an approved District or adjunct instructor.	Tier I
DANCE I, DANCE AND MEDIA COMMUNICATIONS I AB	1517 AB - 03834500
DANCE II, DANCE AND MEDIA COMMUNICATIONS II AB uilds on Dance I- IV AB TEKS and incorporates multi-media and production curriculum. Designed for the student	1519 AB - 03834600
who plans to study dance and or media productions/communications at the college and or career level. Emphasizes	Grade level: 9 – 12
classical ballet and modern dance, while continuing the study of jazz, tap, and world dance with multi-media	Credit(s): 1
elements. Expands the students' experiences with choreography, musical theatre, dance, and media	College Hour(s): NA
ommunications/productions. Focuses on auditioning, rehearsal, performance techniques and media	Tier III
communications/productions. Prepares students for auditions into college dance and or media production	
programs. Class activities and assessment projects are unique to this section including a dance program combined	
with instruction on media productions. Activities will include professional, world-of-work contexts including evaluating live performances, and producing and recording multimedia dance productions. Involves students in	
appropriate lass/public performance activities and media productions. Students are expected to participate and	
produce at least one quality event/project at least every 6 weeks. Attendance at all rehearsals and performances is	
equired.	
nstructional Material: Experiencing Dance Teacher Web Resource 2nd Edition, Human Kinetics, 9781492504733:	
Experiencing Dance-2nd Edition-From Student to Dance Artist, Human Kinetics, 9781450421904	
Prerequisites: Any Dance Course What's Next? Taken in sequence	
<u>Vhat's Next?</u> Taken in sequence Course is only available at Arlington Heights an I.M. Terrell Academy.	
HONORS DANCE I, DANCE AND MEDIA COMMUNICATIONS I ABH	1518 ABH - 03834500
HONORS DANCE II, DANCE AND MEDIA COMMUNICATIONS II ABH	1520 ABH - 03834600
xtends and builds on Dance IV AB TEKS and incorporates multi-media and production curriculum. Designed for the	
tudent who plans to study dance and or media productions at the college and career level. Emphasizes classical	Grade level: 9 – 12
allet and modern dance, while continuing the study of jazz, tap, and world dance. Expands the students'	Credit(s): 1
xperiences with choreography, musical theatre, dance, and media communications/productions. Focuses on	College Hour(s): NA
uditioning, rehearsal, performance techniques and multi-media curriculum. Prepares students for auditions and	Tier II
ntry into college and or career dance and media production/communication programs. Class activities and	
ssessment projects are unique to this section including a mentoring program with professional dance company and	
UC Daga I 12E	

media production experts. Activities will include professional and world-of-work contexts including evaluating live performances, and producing quality media arts productions. Involves students in appropriate class/public performance activities. Students will be involved with choreographing, directing dance concerts, as well as, producing quality media communications of Dance events. Requires successful completion of at least one special project per six weeks approved and monitored by the teacher. Students will also work with at least one off-campus dance and or media production per semester. Students will also create and produce a portfolio appropriate for college and career standards. Attendance at all rehearsals and performances is required. Instructional Material: Experiencing Dance Teacher Web Resource 2nd Edition, Human Kinetics, 9781492504733: Experiencing Dance-2nd Edition-From Student to Dance Artist, Human Kinetics, 9781450421904 Prerequisites: Any Dance Course What's Next? Taken in sequence Course is only available at Arlington Heights and I.M. Terrell Academy. FINE ARTS, LEVEL IV, VPA CAPSTONE AB **VPA1000 AB** The aim of this course is to provide opportunity for students to explore college preparation and professional 84500XXX applications of their VPA craft. Advanced credit with college and career readiness focused assignments and special projects will be approved and monitored by the instructor. Students will document their four years of VPA work through the completion of their portfolio in the first semester. Students will receive opportunities to job shadow and/or participate in unpaid practicums, networking, preparation of interview and audition requirements, and be able to creatively advocate their art to peers and members of the arts community. Students will investigate careers Grade level: 12 Credit(s): Local Credit in the arts, develop problem solving skills and apply their art to a service learning action project. Students will actively prepare their capstone project to be presented in the spring semester (recital, gallery exhibit, direction of College Hour(s): NA play, or project). Instructional Material: N/A Prerequisites: Level I-III of a Fine Arts Content What's Next? N/A This is for local credit only and only available at I.M. Terrell Academy for STEM & VPA. 3731 AB THEATRE I, THEATRE ARTS I AB Introduces students to the basic concepts of acting technique, history of theatre, introduction to Technical Theatre, 03250100 voice, diction, and articulation for the stage. Also covers basic costuming, make-up, careers in Theatre, and audience Grade level: 9 - 12 Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of Credit(s): 1 History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: College Hour(s): NA 97809310544002 Tier III Prerequisites: None What's Next? Theatre Arts II AB HONORS THEATRE I, THEATRE ARTS I ABH 3729 ABH Extends the Theatre I requirements into a rigorous in-depth focus. Students will develop a portfolio that will include 03250100 an original short play for submission in a local contest, such as Circle Theatre Playwriting Contest, Stage West Playwriting Contest, etc. Grade level: 9 - 12 Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of Credit(s): 1 History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: College Hour(s): NA 97809310544002 Tier II Prerequisites: None What's Next? Theatre Arts II AB **DUAL CREDIT THEATRE I, THEATRE ARTS I A** 3730 A 03250100 TCC Course: Introduction to Theatre (DRAM 1310) Survey of theater including its history, dramatic works, stage techniques, production procedures, and relation to ECHS Grade level: 9-12 other art forms. Participation in production may be required. Grade level: 9 - 12 Instructional Material: NA Credit(s): 1 FWISD & TCC Prerequisites: None College Hour(s): 3 Tier I What's Next? N/A Course taught by an approved District or adjunct instructor. **DUAL CREDIT THEATRE I, THEATRE ARTS I B** 3730 B 03250100 TCC Course: Acting I (DRAM 1351) An introduction to the fundamental principles and tools of acting as used in auditions, rehearsals, and performances. This may include ensemble performing, character and script analysis, and basic theater terminology. This exploration ECHS Grade level: 9-12 will emphasize the development of the actor's instrument: voice, body and imagination. Grade level: 9 - 12 Instructional Material: NA Credit(s): 0.5 FWISD & TCC Prerequisites: None College Hour(s): 3 What's Next? N/A Tier I Course taught by an approved District or adjunct instructor.

Continues theatrical studies including molding individual creativity into cooperative group efforts. Provides for the development of playwriting, acting, and technical production skills such as auditioning, rehearsal, and performance techniques. Explores theatrical genres throughout history.

THEATRE II, THEATRE ARTS II AB

3733 AB 03250200

nstructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002 Perequisites: Theatre Arts I AB	Grade level: 10 – 12 Credit(s): 1 College Hour(s): NA Tier III
What's Next? Theatre Arts III AB HONORS THEATRE II, THEATRE ARTS II ABH	3745 ABH
extends the Theatre I requirements into a rigorous in-depth focus. Examines and evaluates theatrical genres for character/script analysis, technical design, directing, and historical and cultural influences on theatrical styles. Focuses on career opportunities in theatre, film, television, and other electronic media. Includes activities and assessment projects that involve conflict-based playwriting, effective voice training, construction and operation of	03250200
echnical elements, and creating appropriate in-class/public performances. Students will develop a portfolio that will include an original short play for submission in a local contest, such as Circle Theatre Playwriting Contest, Stage West Playwriting Contest, etc.	Grade level: 10 – 12 Credit(s): 1 College Hour(s): NA
nstructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 17809310544002	Tier II
<u>Prerequisites:</u> Theatre Arts I AB <u>What's Next?</u> Theatre Arts III AB	
THEATRE III, THEATRE ARTS III AB	3735 AB
Advanced theatrical studies including the advanced development of playwriting, acting, and production skills such as auditioning, rehearsal, make-up, costuming and performance techniques.	03250300
nstructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002 Prerequisites: Theatre Arts II AB	Grade level: 11 - 12 Credit(s): 1 College Hour(s): NA Tier III
<u>What's Next?</u> Theatre Arts IV AB	
HONORS THEATRE III, THEATRE ARTS III ABH	3747 ABH
examines and evaluates theatrical genres for character/script analysis, technical design, directing, and historical and cultural influences on theatrical styles. Focuses on career opportunities in theatre, film, television, and other electronic media. Includes activities and assessment projects that involve conflict-based playwriting, effective voice	03250300
raining, construction and operation of technical elements, and creating appropriate in-class/public performances. Students will develop a portfolio that will include an original short play for submission in a local contest, such as Circle Theatre Playwriting Contest, Stage West Playwriting Contest, etc. Participation in one extra-curricular competition, performance, and/or production is required.	Grade level: 11 – 12 Credit(s): 1 College Hour(s): NA Tier II
nstructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002	Herm
<u>Prerequisites:</u> Theatre Arts II AB <u>What's Next?</u> Theatre Arts IV AB	
THEATRE IV, THEATRE ARTS IV AB	3773 AB
Focuses on a variety of advanced theatrical production skills such as playwriting, script and character analysis for acting and technical purposes, evaluation of directors, actors, designers, and technician's production responsibilities and their effective execution. Examines career and vocational opportunities in theatre, film, television, and other	03250400 Grade level: 11 – 12
electronic media.	Credit(s): 1
nstructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002 Prerequisites: Theatre Arts III AB	College Hour(s): NA Tier III
HONORS THEATRE IV, THEATRE ARTS IV AB	3749 ABH
Students will provide an advanced demonstration of all Theatre aspects, such as character/script analysis, technical design, directing, and historical and cultural influences on theatrical styles. Students will focus on career apportunities in theatre, film, television, and other electronic media. Activities will include assessment projects that involve conflict-based playwriting, effective voice training, construction and operation of technical elements, and	03250400
reating appropriate in-class/public performances. Participation in two extra-curricular competitions, performances, and/or productions is required.	Grade level: 11 – 12 Credit(s): 1
nstructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002	College Hour(s): NA Tier II
Prerequisites: Theatre Arts III AB	2726 AP
Precedes all other high school Theatre Arts courses. Students will learn how to bridge traditional stagecraft with current technology applications to create new media such as animation, digital images, multimedia presentation, digital video, websites, and interactive performances. Student work will culminate in a capstone project that investigates an issue relevant to the student and uses a digital stage to address a problem within the community or o effect a change. These projects (minimum of two) will afford students an opportunity to learn and practice	3736 AB 03251300

creative research skills, develop a narrative, engage an audience, and connect an online community to their projects.	
Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of	Grade level: 9 – 12
History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN:	Credit(s): 1
97809310544002 Decreio Alexandro	College Hour(s): NA
Prerequisites: None	Tier III
What's Next? N/A *Not available at all campuses	
	2727 ADLI
HONORS THEATRE I, THEATRE AND MEDIA COMMUNICATIONS I ABH Describes all other high school Theatre Arts sources. Students will learn how to bridge traditional stages of twith	3737 ABH 03251300
Precedes all other high school Theatre Arts courses. Students will learn how to bridge traditional stagecraft with current technology applications to create new media such as animation, digital images, multimedia presentation,	03231300
digital video, websites, and interactive performances. Student work will culminate in a capstone project that	
investigates an issue relevant to the student and uses a digital stage to address a problem within the community or	Grade level: 9 – 12
to effect a change. These projects (minimum of two) will afford students an opportunity to learn and practice	Credit(s): 1
creative research skills, develop a narrative, engage an audience, and connect an online community to their projects.	College Hour(s): NA
Students will also attend at least one off-campus theatre and or media production per semester. Students will also	Tier II
create and produce a portfolio appropriate for college and career standards.	
Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of	
History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN:	
97809310544002	
<u>Prerequisites:</u> None	
What's Next? N/A	
*Not available at all campuses	
THEATRE II, THEATRE AND MEDIA COMMUNICATIONS II AB	3738 AB
Students will practice stage movement techniques, develop skills to express thoughts and feelings, and learn how to	03251400
analyze characters in scripts. Students will define roles in collaborative relationships (between playwright, director,	
actor, technician, audience); develop an understanding of the value and purpose of listening, observation,	
concentration, and emotional and sensory recall; demonstrate safe use of the body; and employ effective	
techniques, as well as be able to define creativity related to personal expression (voice thoughts and feelings).	
Students will create original scripts; operate technical elements; and perform roles such as actor, director, editor,	
designer, technician, etc. Historical and cultural influences will be used and portray different times, places, and cultures. Students will identify US contributions to the performing arts and the impact of theatre, film, television, and	
electronic media on contemporary society, as well as analyze and apply appropriate behavior during live	Grade level: 9 – 12
performances. Their work will culminate in a capstone project that investigates an issue relevant to the student and	Credit(s): 1
uses a digital stage to address a problem within the community or to effect a change. These projects (minimum of	College Hour(s): NA
two) will afford students an opportunity to learn and practice creative research skills, develop a narrative, engage an	Tier III
audience, and connect an online community to their projects.	
Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of	
History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN:	
97809310544002	
Prerequisites: Theatre Arts and Media Communications I AB	
What's Next? N/A	
*Not available at all campuses	
HONORS THEATRE II, THEATRE AND MEDIA COMMUNICATIONS II ABH	3739 ABH
Students will bridge traditional stagecraft with current technology applications to create new media such as	03251400
animation, digital images, multimedia presentation, digital video, websites, and interactive performances. Student	
work will culminate in a capstone project that investigates an issue relevant to the student and uses a digital stage	
to address a problem within the community or to effect a change. These projects (minimum of two) will afford	
students an opportunity to learn and practice creative research skills, develop a narrative, engage an audience, and	Grade level: 9 – 12
	Credit(s): 1
connect an online community to their projects. Students will also attend at least one off-campus theatre and or	
connect an online community to their projects. Students will also attend at least one off-campus theatre and or media production per semester. Students will also create and produce a portfolio appropriate for college and career	College Hour(s): NA
connect an online community to their projects. Students will also attend at least one off-campus theatre and or media production per semester. Students will also create and produce a portfolio appropriate for college and career standards.	Tier II
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connect an online community to their projects. Students will also attend at least one off-campus theatre and or media production per semester. Students will also create and produce a portfolio appropriate for college and career standards. nstructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002 Pererequisites: Honors Theatre Art and Media Communications I AB What's Next? N/A Not available at all campuses FECHNICAL THEATRE I AB	Tier II
connect an online community to their projects. Students will also attend at least one off-campus theatre and or media production per semester. Students will also create and produce a portfolio appropriate for college and career standards. Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002 Prerequisites: Honors Theatre Art and Media Communications I AB What's Next? N/A *Not available at all campuses TECHNICAL THEATRE I AB Studies the technical side of theatre by providing instruction in a laboratory setting in makeup, costuming, stage	Tier II
connect an online community to their projects. Students will also attend at least one off-campus theatre and or media production per semester. Students will also create and produce a portfolio appropriate for college and career standards. Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002 Pererequisites: Honors Theatre Art and Media Communications I AB What's Next? N/A *Not available at all campuses TECHNICAL THEATRE I AB Studies the technical side of theatre by providing instruction in a laboratory setting in makeup, costuming, stage ighting, sound production, set design/construction, house management, and other technical areas needed for play	3751 AB 03250500
connect an online community to their projects. Students will also attend at least one off-campus theatre and or media production per semester. Students will also create and produce a portfolio appropriate for college and career standards. Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002 Prerequisites: Honors Theatre Art and Media Communications I AB What's Next? N/A *Not available at all campuses TECHNICAL THEATRE I AB Studies the technical side of theatre by providing instruction in a laboratory setting in makeup, costuming, stage lighting, sound production, set design/construction, house management, and other technical areas needed for play production.	Tier II
connect an online community to their projects. Students will also attend at least one off-campus theatre and or	3751 AB 03250500 Grade level: 9 - 12
connect an online community to their projects. Students will also attend at least one off-campus theatre and or media production per semester. Students will also create and produce a portfolio appropriate for college and career standards. Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002 Prerequisites: Honors Theatre Art and Media Communications I AB What's Next? N/A *Not available at all campuses TECHNICAL THEATRE I AB Studies the technical side of theatre by providing instruction in a laboratory setting in makeup, costuming, stage lighting, sound production, set design/construction, house management, and other technical areas needed for play production. Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of	3751 AB 03250500 Grade level: 9 - 12 Credit(s): 1
connect an online community to their projects. Students will also attend at least one off-campus theatre and or media production per semester. Students will also create and produce a portfolio appropriate for college and career standards. Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN:	3751 AB 03250500 Grade level: 9 - 12 Credit(s): 1 College Hour(s): NA

HONORS TECHNICAL THEATER I ABH	3752 ABH
Offers a more intensive instruction in a laboratory and practical setting in makeup, costuming design, set design and construction, lighting and sound design, house management, and other technical areas needed for theatrical and performing arts productions. This course examines careers in theatre and other performing arts, as well as emphasizes studies and practical application of the technical side of theatre. This course requires successful completion of at least one classroom/public performance, writing activity, or technical project per semester approved and monitored by the teacher.	03250500
Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002 Prerequisites: N/A What's Next? Technical Theatre II AB	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier II
DUAL CREDIT TECHNICAL THEATER I AB	3750 AB
TCC Course: Stagecraft I (DRAM 1330)	03250500
Study and application of the methods and components of theatrical production, which may include one or more of the following: theater facilities, scenery construction and painting, properties, lighting, costume, makeup, sound, and theatrical management.	Grade level: 9 – 12 ECHS Grade level: 9-12 Credit(s): 0.5
Instructional Material: NA Prerequisites: Technical Theatre I and Technical Theatre II What's Next? N/A	College Hour(s): 3 Tier I
Course taught by an approved District or adjunct instructor.	
TECHNICAL THEATRE II AB	3754 AB
Provides advanced instruction in a laboratory and practical setting in makeup, costuming design, set design and construction, lighting and sound design, house management, and other technical areas needed for theatrical and performing arts productions. The student can earn PE credit for Technical Theatre IIAB as a TEKS-based course that meets the requirement of 100 minutes of moderate to vigorous physical activity per week if it is not being used to satisfy another graduation requirement. The teacher does not have to be certified in PE. See Health & Physical Education section for course #.	03250600
Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002 Prerequisites: Technical Theatre I AB; taken in sequence	Grade level: 10 – 12 Credit(s): 1 College Hour(s): NA Tier III
What's Next? Technical Theatre III AB	
	3753 ABH
HONORS TECHNICAL THEATER II ABH	3133 ADII
Offers a more intensive instruction in a laboratory and practical setting in makeup, costuming design, set design and construction, lighting and sound design, house management, and other technical areas needed for theatrical and performing arts productions. Students will be expected to participate in all behind-the-scenes action of productions and their performances. Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of	03250600 Grade level: 10 – 12 Credit(s): 1
Offers a more intensive instruction in a laboratory and practical setting in makeup, costuming design, set design and construction, lighting and sound design, house management, and other technical areas needed for theatrical and performing arts productions. Students will be expected to participate in all behind-the-scenes action of productions and their performances. Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002	03250600 Grade level: 10 – 12
Offers a more intensive instruction in a laboratory and practical setting in makeup, costuming design, set design and construction, lighting and sound design, house management, and other technical areas needed for theatrical and performing arts productions. Students will be expected to participate in all behind-the-scenes action of productions and their performances. Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002 Prerequisites: Technical Theatre I AB; taken in sequence	03250600 Grade level: 10 – 12 Credit(s): 1 College Hour(s): NA
Offers a more intensive instruction in a laboratory and practical setting in makeup, costuming design, set design and construction, lighting and sound design, house management, and other technical areas needed for theatrical and performing arts productions. Students will be expected to participate in all behind-the-scenes action of productions and their performances. Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002 Prerequisites: Technical Theatre I AB; taken in sequence What's Next? Technical Theatre III AB	03250600 Grade level: 10 – 12 Credit(s): 1 College Hour(s): NA Tier II
Offers a more intensive instruction in a laboratory and practical setting in makeup, costuming design, set design and construction, lighting and sound design, house management, and other technical areas needed for theatrical and performing arts productions. Students will be expected to participate in all behind-the-scenes action of productions and their performances. Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002 Prerequisites: Technical Theatre I AB; taken in sequence What's Next? Technical Theatre III AB DUAL CREDIT TECHNICAL THEATER II AB TCC Course: Stagecraft II (DRAM 2331)	03250600 Grade level: 10 – 12 Credit(s): 1 College Hour(s): NA Tier II
Offers a more intensive instruction in a laboratory and practical setting in makeup, costuming design, set design and construction, lighting and sound design, house management, and other technical areas needed for theatrical and performing arts productions. Students will be expected to participate in all behind-the-scenes action of productions and their performances. Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002 Prerequisites: Technical Theatre I AB; taken in sequence What's Next? Technical Theatre III AB TCC Course: Stagecraft II (DRAM 2331) Continued study and application of the methods and components of theatrical production which may include one or more of the following: theater facilities, scenery construction and painting, properties, lighting, costume, makeup, sound and theatrical management. Topics will alternate with DRAM 1330.	03250600 Grade level: 10 – 12 Credit(s): 1 College Hour(s): NA Tier II 3767 AB 03250600 Grade level: 9 – 12 ECHS Grade level: 9-12
Offers a more intensive instruction in a laboratory and practical setting in makeup, costuming design, set design and construction, lighting and sound design, house management, and other technical areas needed for theatrical and performing arts productions. Students will be expected to participate in all behind-the-scenes action of productions and their performances. Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002 Prerequisites: Technical Theatre I AB; taken in sequence What's Next? Technical Theatre III AB TCC Course: Stagecraft II (DRAM 2331) Continued study and application of the methods and components of theatrical production which may include one or more of the following: theater facilities, scenery construction and painting, properties, lighting, costume, makeup, sound and theatrical management. Topics will alternate with DRAM 1330. Instructional Material: NA Prerequisites: Technical Theatre I and Technical Theatre II; and Dual Credit Technical Theatre I AB What's Next? N/A Course taught by an approved District or adjunct instructor.	Grade level: 10 – 12 Credit(s): 1 College Hour(s): NA Tier II 3767 AB 03250600 Grade level: 9 – 12 ECHS Grade level: 9-12 Credit(s): 0.5 College Hour(s): 3 Tier II
Offers a more intensive instruction in a laboratory and practical setting in makeup, costuming design, set design and construction, lighting and sound design, house management, and other technical areas needed for theatrical and performing arts productions. Students will be expected to participate in all behind-the-scenes action of productions and their performances. Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002 Prerequisites: Technical Theatre I AB; taken in sequence What's Next? Technical Theatre III AB TCC Course: Stagecraft II (DRAM 2331) Continued study and application of the methods and components of theatrical production which may include one or more of the following: theater facilities, scenery construction and painting, properties, lighting, costume, makeup, sound and theatrical management. Topics will alternate with DRAM 1330. Instructional Material: NA Prerequisites: Technical Theatre I and Technical Theatre II; and Dual Credit Technical Theatre I AB What's Next? N/A Course taught by an approved District or adjunct instructor. TECHNICAL THEATRE III AB	Grade level: 10 – 12 Credit(s): 1 College Hour(s): NA Tier II 3767 AB 03250600 Grade level: 9 – 12 ECHS Grade level: 9-12 Credit(s): 0.5 College Hour(s): 3 Tier II 3757 AB
Offers a more intensive instruction in a laboratory and practical setting in makeup, costuming design, set design and construction, lighting and sound design, house management, and other technical areas needed for theatrical and performing arts productions. Students will be expected to participate in all behind-the-scenes action of productions and their performances. Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97803310544002 Perequisites: Technical Theatre I AB; taken in sequence What's Next? Technical Theatre III AB TCC Course: Stagecraft II (DRAM 2331) Continued study and application of the methods and components of theatrical production which may include one or more of the following: theater facilities, scenery construction and painting, properties, lighting, costume, makeup, sound and theatrical management. Topics will alternate with DRAM 1330. Instructional Material: NA Pererequisites: Technical Theatre I and Technical Theatre II; and Dual Credit Technical Theatre I AB What's Next? N/A Course taught by an approved District or adjunct instructor. TECHNICAL THEATRE III AB Provides advanced instruction in a laboratory and practical setting in makeup, costuming design, set design and construction, lighting and sound design, house management, and other technical areas needed for theatrical and performing arts productions. Students will be expected to participate in all behind-the-scenes action of productions.	Grade level: 10 – 12 Credit(s): 1 College Hour(s): NA Tier II 3767 AB 03250600 Grade level: 9 – 12 ECHS Grade level: 9-12 Credit(s): 0.5 College Hour(s): 3 Tier II
Offers a more intensive instruction in a laboratory and practical setting in makeup, costuming design, set design and construction, lighting and sound design, house management, and other technical areas needed for theatrical and performing arts productions. Students will be expected to participate in all behind-the-scenes action of productions and their performances. Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002 Prerequisites: Technical Theatre I AB; taken in sequence What's Next? Technical Theatre III AB TCC Course: Stagecraft II (DRAM 2331) Continued study and application of the methods and components of theatrical production which may include one or more of the following: theater facilities, scenery construction and painting, properties, lighting, costume, makeup, sound and theatrical management. Topics will alternate with DRAM 1330. Instructional Material: NA Prerequisites: Technical Theatre I and Technical Theatre II; and Dual Credit Technical Theatre I AB	Grade level: 10 – 12 Credit(s): 1 College Hour(s): NA Tier II 3767 AB 03250600 Grade level: 9 – 12 ECHS Grade level: 9-12 Credit(s): 0.5 College Hour(s): 3 Tier II 3757 AB
Offers a more intensive instruction in a laboratory and practical setting in makeup, costuming design, set design and construction, lighting and sound design, house management, and other technical areas needed for theatrical and performing arts productions. Students will be expected to participate in all behind-the-scenes action of productions and their performances. Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002 Prerequisites: Technical Theatre I AB; taken in sequence What's Next? Technical Theatre III AB DUAL CREDIT TECHNICAL THEATER II AB TCC Course: Stagecraft II (DRAM 2331) Continued study and application of the methods and components of theatrical production which may include one or more of the following: theater facilities, scenery construction and painting, properties, lighting, costume, makeup, sound and theatrical management. Topics will alternate with DRAM 1330. Instructional Material: NA Prerequisites: Technical Theatre I and Technical Theatre II; and Dual Credit Technical Theatre I AB What's Next? N/A Course taught by an approved District or adjunct instructor. TECHNICAL THEATRE III AB Provides advanced instruction in a laboratory and practical setting in makeup, costuming design, set design and construction, lighting and sound design, house management, and other technical areas needed for theatrical and performing arts productions. Students will be expected to participate in all behind-the-scenes action of productions. Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9781680644050; Stages of	03250600 Grade level: 10 – 12 Credit(s): 1 College Hour(s): NA Tier II 3767 AB 03250600 Grade level: 9 – 12 ECHS Grade level: 9-12 Credit(s): 0.5 College Hour(s): 3 Tier II 3757 AB 03251100 Grade level: 11 – 12 Credit(s): 1 College Hour(s): NA

productions. Students will be expected to participate in all behind-the-scenes action of productions and their performances.	Grade level: 11 - 12
Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002	Credit(s): 1 College Hour(s): NA Tier II
Prerequisites: Technical Theatre II AB	
What's Next? Technical Theatre IV AB	
TECHNICAL THEATRE IV AB	3759 AB
Provides advanced instruction in a laboratory and practical setting in makeup, costuming design, set design and construction, lighting and sound design, house management, and other technical areas needed for theatrical and performing arts productions. Students will be expected to participate in all behind-the-scenes action of productions.	03251200
Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN:	Grade level: 11 – 12 Credit(s): 1
97809310544002 <u>Prerequisites:</u> Technical Theatre III AB <u>What's Next?</u> N/A	College Hour(s): NA Tier III
HONORS TECHNICAL THEATRE IV ABH	3760 ABH
Advanced instruction in makeup, costuming design, set design and construction, lighting and sound design, house management, and other technical areas needed for theatrical and performing arts productions. Students will be expected to participate in all behind-the-scenes action of productions and their performances.	03251200
Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002	Grade level: 11 – 12 Credit(s): 1 College Hour(s): NA
Prerequisites: Technical Theatre III AB What's Next? N/A	Tier II
FINE ARTS, LEVEL IV, VPA CAPSTONE AB	VPA1000 AB
The aim of this course is to provide opportunity for students to explore college preparation and professional applications of their VPA craft. Advanced credit with college and career readiness focused assignments and special projects will be approved and monitored by the instructor. Students will document their four years of VPA work through the completion of their portfolio in the first semester. Students will receive opportunities to job shadow and/or participate in unpaid practicums, networking, preparation of interview and audition requirements, and be	84500XXX
able to creatively advocate their art to peers and members of the arts community. Students will investigate careers in the arts, develop problem solving skills and apply their art to a service learning action project. Students will actively prepare their capstone project to be presented in the spring semester (recital, gallery exhibit, direction of play, or project).	Grade level: 12 Credit(s): Local Credit College Hour(s): NA
<u>Instructional Material:</u> N/A <u>Prerequisites:</u> Level I-III of a Fine Arts Content <u>What's Next?</u> N/A	
This is for local credit only and only available at I.M. Terrell Academy for STEM & VPA.	
THEATRE PRODUCTION I AB	3755 AB
Practical hands-on experience in acting and stagecraft through the preparation and public performance of plays. Participation in public performance is required (one per semester).	03250700
Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002 Prerequisites: Theatre Arts I AB and Teacher Recommendation	Grade level: 9 – 12 Credit(s): 0.5 College Hour(s): NA Tier III
What's Next? Theatre Production II AB	
HONORS THEATRE PRODUCTION I ABH Practical hands-on experience in acting and stagecraft through the preparation and public performance of plays. Students are required to participate in all productions on their campus as either a performer or technician. Students will be required to read plays and/or see a determined number of local productions.	3756 ABH 03250700
Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN:	Grade level: 9 – 12 Credit(s): 0.5
	College Hour(s): NA Tier II
Prerequisites: Theatre Arts I AB and Teacher Recommendation	
<u>Prerequisites:</u> Theatre Arts I AB and Teacher Recommendation <u>What's Next?</u> Theatre Production II AB	3761 AB
97809310544002 Prerequisites: Theatre Arts I AB and Teacher Recommendation What's Next? Theatre Production II AB THEATRE PRODUCTION II AB Advanced hands-on experience in acting and stagecraft through the preparation and public performance of plays. Participation in public performance is required (one per semester).	3761 AB 03250800
Prerequisites: Theatre Arts I AB and Teacher Recommendation What's Next? Theatre Production II AB THEATRE PRODUCTION II AB Advanced hands-on experience in acting and stagecraft through the preparation and public performance of plays.	

HONORS THEATRE PRODUCTION II ABH	3762 ABH
Practical hands-on experience in acting and stagecraft through the preparation and public performance of plays. Students are required to participate in all productions on their campus either as a performer or technician. Students will also attend at least one off-campus theatre and/or media production per semester. Students will also create and	03250800
produce a portfolio appropriate for college and career standards.	
Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of	Grade level: 10 – 12
History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN:	Credit(s): 0.5-1.0
97809310544002	College Hour(s): NA
Prerequisites: Theatre Production I AB and Teacher Recommendation	Tier II
What's Next? Theatre Production III AB	
THEATRE PRODUCTION III AB	3763 AB
Advanced hands-on experience in acting and stagecraft through the preparation and public performance of plays.	03250900
Participation in public performance is required (one per semester).	C
Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of	Grade level: 11 – 12
History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN:	Credit(s): 0.5-1.0
97809310544002	College Hour(s): NA
<u>Prerequisites:</u> Theatre Production II AB and Teacher Recommendation What's Next? Theatre Production IV AB	Tier III
	2764 ADLI
HONORS THEATRE PRODUCTION III ABH Hands-on experience in acting and stagecraft through the preparation and public performance of plays.	3764 ABH 03250900
Students are required to participate in all productions on their campus either as a performer or technician. Students will also attend at least one off-campus theatre and/or media production per semester. Students will also create and produce a portfolio appropriate for college and career standards.	03250900
Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of	Grade level: 11 – 12
History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN:	Credit(s): 0.5-1.0
97809310544002	College Hour(s): NA
Prerequisites: Theatre Productions II AB and Teacher Recommendation	Tier II
What's Next? Theatre Production IV AB	2765 A.D.
THEATRE PRODUCTION IV AB	3765 AB
Advanced hands-on experience in acting and stagecraft through the preparation and public performance of plays. Participation in public performance is required (one per semester).	03251000
Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of	Grade level: 11 – 12
History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN:	Credit(s): 0.5-1.0
97809310544002	College Hour(s): NA
Prerequisites: Theatre Production III AB and Teacher Recommendation	Tier III
What's Next? N/A	
HONORS THEATRE PRODUCTION IV ABH	3766 ABH
Hands-on experience in acting and stagecraft through the preparation and public performance of plays.	03251000
Students are required to participate in all productions on their campus either as a performer or technician. Students will also attend at least one off-campus theatre and/or media production per semester. Students will also create and produce a portfolio appropriate for college and career standards.	
Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of	Grade level: 11 – 12
History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN:	Credit(s): 0.5-1.0
97809310544002	College Hour(s): NA
Prerequisites: Theatre Production III AB and Teacher Recommendation	Tier II
What's Next? N/A	
MUSICAL THEATRE I AB	1484 AB
Musical Theatre will expose students to a wide range of on-stage performance disciplines, including acting,	03251900
performance, vocal performance, and dance performance. The course will also provide an atmosphere in which	
students benefit from a teaching and learning experience in these performance disciplines of musical theatre.	Grade level: 9 – 12
Participation in public performance is required (one per semester).	Credit(s): 1
Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of	College Hour(s): NA
History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN:	Tier III
97809310544002	
Prerequisites: 9th Grade Students: Must have one year of 8th grade choir, theatre, or dance and audition/instructor	
approval.	
10 th - 12th Grade Students: Must have one year of high school choir, theatre, or dance; audition/instructor approval. What's Next? Musical Theatre II AB	
HONORS MUSICAL THEATRE I ABH	1485 ABH
	03251900
Musical Theatre will expose students to a wide range of on-stage performance disciplines, including acting, performance, vocal performance, and dance performance. The course will also provide an atmosphere in which	03231300
students benefit from a teaching and learning experience in these performance disciplines of musical theatre.	Grade level: 9 - 12
Students benefit from a teaching and learning experience in these performance disciplines of musical theatre. Students are required to participate in all productions on their campus either as a performer or technician.	Credit(s): 1
	College Hour(s): NA
Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 0787680677050: Stages of	
Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN:	-
nstructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9/81680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN:	Tier II

Prerequisites: 9th Grade Students: Must have one year of 8th grade choir, theatre, or dance and audition/instructor approval. 10th - 12th Grade Students: Must have one year of high school choir, theatre, or dance; audition/instructor approval. What's Next? Musical Theatre II AB **MUSICAL THEATRE II AB** 1474 AB Musical Theatre will expose students to a wide range of on-stage performance disciplines, including acting, 03252000 performance, vocal performance, and dance performance. Participation in public performance is required (one per semester) Grade level: 10 – 12 The student can earn PE credit for Musical Theatre IIAB as a TEKS-based course that meets the requirement of 100 Credit(s): 1 minutes of moderate to vigorous physical activity per week if it is not being used to satisfy another graduation College Hour(s): NA requirement. The teacher does not have to be certified in PE. See Health & Physical Education section for course #. Tier III Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: 97809310544002 Prerequisites: Musical Theatre I AB and audition What's Next? Musical Theatre III AB HONORS MUSICAL THEATRE II ABH 1486 ABH Continued development of on-stage performance disciplines, including acting, performance, vocal performance, and 03252000 dance performance. Students are required to participate in all productions on their campus either as a performer or technician. Students will also attend at least one off-campus theatre and/or media production per semester. Grade level: 10 – 12 Students will also create and produce a portfolio appropriate for college and career standards. Credit(s): 1 Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of College Hour(s): NA History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: Tier II 97809310544002 Prerequisites: Musical Theatre I AB and audition What's Next? Musical Theatre III AB **MUSICAL THEATRE III AB** 1475 AB Continued development to a wide range of on-stage performance disciplines, including acting, performance, vocal 03252100 performance, and dance performance. Participation in public performance is required (one per semester). Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of Grade level: 11 - 12 History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: Credit(s): 1 97809310544002 College Hour(s): NA Prerequisites: Musical Theatre II AB and audition Tier III What's Next? Musical Theatre IV AB HONORS MUSICAL THEATRE III ABH 1487 ABH Continued development of on-stage performance disciplines, including acting, performance, vocal performance, and 03252100 dance performance. Students are required to participate in all productions on their campus either as a performer or technician. Students will also attend at least one off-campus theatre and/or media production per semester. Grade level: 11 - 12 Students will also create and produce a portfolio appropriate for college and career standards. Credit(s): 1 Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of College Hour(s): NA History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: Tier II 97809310544002 Prerequisites: Musical Theatre II and audition What's Next? Musical Theatre IV AB 1476 AB **MUSICAL THEATRE IV AB** 03252200 Continued development to a wide range of on-stage performance disciplines, including acting, performance, vocal performance, and dance performance. Participation in public performance is required (one per semester). Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of Grade level: 11 – 12 History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: Credit(s): 1 97809310544002 College Hour(s): NA Prerequisites: Musical Theatre III AB and audition Tier III HONORS MUSICAL THEATRE IV ABH 1488 ABH Continued development of on-stage performance disciplines, including acting, performance, vocal performance, and 03252200 dance performance. Students are required to participate in all productions on their campus as either a performer or technician. Students will also attend at least one off-campus theatre and/or media production per semester. Grade level: 11 - 12 Students will also create and produce a portfolio appropriate for college and career standards. Credit(s): 1 Instructional Material: Drama for Reading and Performance Perfection Learning ISBN: 9781680644050; Stages of College Hour(s): NA History Perfection Learning ISBN: 9780789163325; Creative Communication Perfection Learning ISBN: Tier II 97809310544002

97809310544002

Prerequisites: Musical Theatre III AB and audition

FOUNDATION PLANS

WORLD LANGUAGES GRADUATION REQUIREMENTS

ALL STUDENTS ARE REQUIRED to take 2 Credits of the SAME Language

All Plans require students to earn two credits in any two levels of the same lanquage: Students may select to take any two levels in the same language or two credits in computer programming languages selected from Computer Science I, II, III, AP Computer Principles, and AP Computer Science A.

If a student, in completing the first credit of LOTE, demonstrates that the student is unlikely to be able to complete the second credit, the student may substitute another appropriate course as follows:

- · Special Topics in Language and Culture
- · Another credit from a different language
- · Computer programming languages

The determination regarding a student's ability to complete the second credit of LOTE must be agreed on by:

- The teacher of the first LOTE course, the principal or designee, and the student's parent
- The ARD or 504 committee, if applicable

A student, who due to a disability, is unable to complete 2 credits in the same LOTE, may substitute a combination of 2 credits from ELA, math, science or soical studies or 2 credits in CTE or Technology Applications for the LOTE requirement. (Cannot combine a credit from the ELA, math, science, and social studies areas with a credit from the CTE / technology applications area.) The determination regarding the student's ability to complete the LOTE requirement will be made by the ARD or 504 committee, as applicable.

Students now have the oppportunity to:

- Earn a performance acknowledgement in bilingualism and biliteracy. Students must demonstrate proficiency in two or more languages through completion of a minimum of 3 credits in the same language other than English with a minimum GPA of the equivalent of 80 on a scale of 100;
- Meet the admissions requirements of many state, national, public, and private universities which include a <u>minimum of</u> <u>3 years</u> of study of a language other than English.

All students, therefore, are strongly encouraged to study a minimum of 3 years of a LOTE.

Possible Endorsement Opportunities:

Arts & Humanities

For specific Endorsement Requirements, see the FOUNDATION PROGRAM section of Bulletin 100.

A student who successfully completes a dual language immersion/two-way or dual language immersion/one-way program at an elementary school may satisfy one credit of the two credits required in a language other than English.

To successfully complete a dual language immersion program, a student must:

- 1. Have participated in a dual language immersion program for at least five consecutive school years;
- 2. Achieve high levels of academic competence, as demonstrated by performance of meets or masters grade level on the STAAR in English or Spanish, as applicable; and
- 3. Achieve proficiency in both English and a language other than English as demonstrated by scores of proficient or higher in reading and speaking domains on language proficiency achievement tests in both languages.

The second credit of a language other than English must be in the same language as the successfully completed dual language immersion program. TEC §28.0051 and TAC §74.12(b)(5)(F)

World Languages Frequently Asked Questions (FAQs) LOTE (Languages Other Than English)

1. Can a student combine different levels from different languages to meet the LOTE requirement to graduate on the foundation high school program? *

Two levels of the *same* language are required for graduation on the Foundation High School Program (unless an appropriate course substitution has been approved). Students may also meet the LOTE requirement by earning two credits in computer programming languages selected from Computer Science I, II, and III, AP Computer Science A, AP Computer Science Principles, IB Computer Science Standard Level, and IB Computer Science Higher Level.

2. What options do we have for a junior/senior who has recently enrolled in our district and does not have any credits for LOTE or has taken a language that our district does not offer?*

Juniors/Seniors who have language experience in a language our district does not offer may take a credit-by-exam or national language proficiency test approved by the district (see Director of World Languages). Although there is no exemption for world language credit, FWISD offers the option of enrolling in a district-approved web-based program as well as summer school.

3. Can a student be enrolled in two different levels of the same language at the same time?

Any LOTE course that requires a prerequisite course as listed in Bulletin 100 must be taken in sequence. For example, a student may not be enrolled in a Level I and Level II LOTE course at the same time.

4. What options does a student have if they fail a LOTE course?

A student who fails a LOTE course can recover the credit by re-taking the course, enrolling in a district-approved web-based program, taking a credit-by-exam, or through summer school.

5. A student failed Level 1A of a language, but passed Level 1B. Do they have to re-take 1A before they can be enrolled in 2A?

Students who failed Level 1A but who passed Level 1B with an 80 or above may be enrolled in Level 2A.

6. What is the process for the Spanish placement test?

A counselor or language teacher may refer a student to the World Language Department Chair on campus for placement testing. The district placement test team member will conduct the placement test, score it, and share results with the Director of World Languages and the placement test team. The department chair or placement test team member is responsible for providing the counselor with the documentation for the recommended course in a timely manner.

*These LOTE FAQs and more can be found on TEA's site at: https://tea.texas.gov/academics/subject-areas/languages-other-than-english

World Languages

SPECIAL TOPICS IN LANGUAGE AND CULTURE AB	4065 AB
tudents gain an understanding of two basic aspects of human existence: the nature of communication and the omplexity of culture. Students become aware of multiple perspectives and means of expression, which lead to an	11410000
ppreciation of difference and diversity.	
This course cannot be considered a part of the coherent sequence of languages other than English (LOTE) courses	
equired for any endorsement. This course will not count as a level II LOTE course. Students who desire to continue	Grade level: 9 – 12
vith LOTE study will need to take level II or higher LOTE courses. This course may be substituted for a level II LOTE	Credit(s): 1
ourse upon approval by the student's level I LOTE classroom teacher, the principal or designee, and the student's	College Hour(s): NA
parent who determine that the student is not likely to be successful in a level II LOTE course.	Tier III
nstructional Material: Contact Content Director	
Prerequisites: Any Level I LOTE Course	
AMERICAN SIGN LANGUAGE I AB	4402 AB
ntroduces communication skills in American Sign Language, including both receptive and expressive signing, as well	03980100
is interactive communication. Explores History of the language and the culture of deaf people.	Grade level: 9 - 12
nstructional Material: Signing Naturally Level I - Dawn Sign Press Media, Units 1-6 ISBN: 9781581212105 & Units 7- 12 ISBN: 9781581212211	Credit(s): 1
	College Hour(s): NA Tier III
Prerequisites: Taken in sequence What's Next? American Sign Language II AB	Her III
Vhat's Next? American Sign Language II AB DUAL CREDIT AMERICAN SIGN LANGUAGE I AB	4414 AB
CC Course: American Sign Language (SGNL 1401)	7717 AU
In introduction to the basic skills in production and comprehension of American Sign Language (ASL). Includes the	03980100
nanual Alphabet and numbers. Develops conversational abilities, culturally appropriate behaviors, and exposes	Grade level: HS: 11-12
tudents to ASL grammar.	ECHS: 9-12
nstructional Material: NA	Credit(s): 1
Prerequisites: Taken in sequence	College Hour(s): 4 hours
<u>Vhat's Next?</u> SGNL 1402 Course taught by an approved adjunct instructor.	Tier I
AMERICAN SIGN LANGUAGE II AB	4404 AB
The communication skills acquired in Level I are extended to include distinguishing between variations in signs and	03980200
non-manual communication. More in-depth study of deaf culture will be explored. Students will be provided	
opportunities to express and receive signed information in a variety of situations.	Grade level: 9 – 12
nstructional Material: Signing Naturally Level II. Dawn Sign Press Media, ISBN: 9781581211313	Credit(s): 1
Prerequisites: American Sign Language I; taken in sequence	College Hour(s): NA
<u>What's Next?</u> American Sign Language III AB or Honors American Sign Language III AB	Tier III
HONORS AMERICAN SIGN LANGUAGE II AB	4405 AB
The honors course is designed for ninth grade students who have completed two years of languages in middle	03980200
school or highly motivated language learners. These students will expand and strengthen the linguistic skills learned	
during their first language course. Students will be expected to participate in daily aural and written activities and	Grade level: 9 – 12
conduct classroom conversations to create an immersion-type experience. Students in this course are required to	Credit(s): 1
omplete an approved Global Citizen project at the end of the year.	College Hour(s): NA
nstructional Material: Signing Naturally Level II. Dawn Sign Press Media, ISBN: 9781581211313	Tier II
<u>Vhat's Next?</u> American Sign Language III AB or Honors American Sign Language III AB	
<u>Vhat's Next?</u> American Sign Language III AB or Honors American Sign Language III AB DUAL CREDIT AMERICAN SIGN LANGUAGE II AB	4416 AB
What's Next? American Sign Language III AB or Honors American Sign Language III AB DUAL CREDIT AMERICAN SIGN LANGUAGE II AB FCC Course: American Sign Language (SGNL 1402)	
What's Next? American Sign Language III AB or Honors American Sign Language III AB DUAL CREDIT AMERICAN SIGN LANGUAGE II AB ICC Course: American Sign Language (SGNL 1402) Develops receptive and expressive ability and allows recognition and demonstration of more sophisticated	03980200
What's Next? American Sign Language III AB or Honors American Sign Language III AB DUAL CREDIT AMERICAN SIGN LANGUAGE II AB ICC Course: American Sign Language (SGNL 1402) Develops receptive and expressive ability and allows recognition and demonstration of more sophisticated grammatical features of American Sign Language (ASL). Increases fluency and accuracy in finger spelling and	03980200 Grade level: HS: 11-12
Prerequisites: American Sign Language I; taken in sequence What's Next? American Sign Language III AB or Honors American Sign Language III AB DUAL CREDIT AMERICAN SIGN LANGUAGE II AB FCC Course: American Sign Language (SGNL 1402) Develops receptive and expressive ability and allows recognition and demonstration of more sophisticated grammatical features of American Sign Language (ASL). Increases fluency and accuracy in finger spelling and numbers. Encourages opportunities for interaction with the deaf community. Taken with SLNG 1215.	03980200 Grade level: HS: 11-12 ECHS: 9-12
What's Next? American Sign Language III AB or Honors American Sign Language III AB DUAL CREDIT AMERICAN SIGN LANGUAGE II AB CCC Course: American Sign Language (SGNL 1402) Develops receptive and expressive ability and allows recognition and demonstration of more sophisticated prammatical features of American Sign Language (ASL). Increases fluency and accuracy in finger spelling and numbers. Encourages opportunities for interaction with the deaf community. Taken with SLNG 1215. Instructional Material: NA	03980200 Grade level: HS: 11-12 ECHS: 9-12 Credit(s): 1
What's Next? American Sign Language III AB or Honors American Sign Language III AB DUAL CREDIT AMERICAN SIGN LANGUAGE II AB CCC Course: American Sign Language (SGNL 1402) Develops receptive and expressive ability and allows recognition and demonstration of more sophisticated prammatical features of American Sign Language (ASL). Increases fluency and accuracy in finger spelling and numbers. Encourages opportunities for interaction with the deaf community. Taken with SLNG 1215. Instructional Material: NA WISD Prerequisites: SGNL1401	03980200 Grade level: HS: 11-12 ECHS: 9-12 Credit(s): 1 College Hour(s): 4 hours
What's Next? American Sign Language III AB or Honors American Sign Language III AB DUAL CREDIT AMERICAN SIGN LANGUAGE II AB FCC Course: American Sign Language (SGNL 1402) Develops receptive and expressive ability and allows recognition and demonstration of more sophisticated grammatical features of American Sign Language (ASL). Increases fluency and accuracy in finger spelling and numbers. Encourages opportunities for interaction with the deaf community. Taken with SLNG 1215. Instructional Material: NA WISD Prerequisites: SGNL1401 What's Next? SGNL 2301 Course taught by an approved adjunct instructor.	03980200 Grade level: HS: 11-12 ECHS: 9-12 Credit(s): 1 College Hour(s): 4 hours
What's Next? American Sign Language III AB or Honors American Sign Language III AB DUAL CREDIT AMERICAN SIGN LANGUAGE II AB TCC Course: American Sign Language (SGNL 1402) Develops receptive and expressive ability and allows recognition and demonstration of more sophisticated prammatical features of American Sign Language (ASL). Increases fluency and accuracy in finger spelling and numbers. Encourages opportunities for interaction with the deaf community. Taken with SLNG 1215. Instructional Material: NA WISD Prerequisites: SGNL1401 What's Next? SGNL 2301 Course taught by an approved adjunct instructor. DUAL CREDIT CONVERSATIONAL SIGN LANGUAGE IN THE WORKPLACE AB	03980200 Grade level: HS: 11-12 ECHS: 9-12 Credit(s): 1 College Hour(s): 4 hours
What's Next? American Sign Language III AB or Honors American Sign Language III AB DUAL CREDIT AMERICAN SIGN LANGUAGE II AB CCC Course: American Sign Language (SGNL 1402) Develops receptive and expressive ability and allows recognition and demonstration of more sophisticated prammatical features of American Sign Language (ASL). Increases fluency and accuracy in finger spelling and numbers. Encourages opportunities for interaction with the deaf community. Taken with SLNG 1215. Instructional Material: NA WISD Prerequisites: SGNL1401 What's Next? SGNL 2301 Course taught by an approved adjunct instructor. DUAL CREDIT CONVERSATIONAL SIGN LANGUAGE IN THE WORKPLACE AB TCC Course: Conversational Sign Language in the Workplace (SLNG 1202)	03980200 Grade level: HS: 11-12 ECHS: 9-12 Credit(s): 1 College Hour(s): 4 hours Tier I 4422 AB
What's Next? American Sign Language III AB or Honors American Sign Language III AB DUAL CREDIT AMERICAN SIGN LANGUAGE II AB ICC Course: American Sign Language (SGNL 1402) Develops receptive and expressive ability and allows recognition and demonstration of more sophisticated grammatical features of American Sign Language (ASL). Increases fluency and accuracy in finger spelling and numbers. Encourages opportunities for interaction with the deaf community. Taken with SLNG 1215. Instructional Material: NA EWISD Prerequisites: SGNL1401 What's Next? SGNL 2301 Course taught by an approved adjunct instructor. DUAL CREDIT CONVERSATIONAL SIGN LANGUAGE IN THE WORKPLACE AB ICC Course: Conversational Sign Language in the Workplace (SLNG 1202) Development of basic conversational skills through practice designed to improve communication with clients/co-	03980200 Grade level: HS: 11-12 ECHS: 9-12 Credit(s): 1 College Hour(s): 4 hours Tier I 4422 AB
What's Next? American Sign Language III AB or Honors American Sign Language III AB DUAL CREDIT AMERICAN SIGN LANGUAGE II AB ICC Course: American Sign Language (SGNL 1402) Develops receptive and expressive ability and allows recognition and demonstration of more sophisticated grammatical features of American Sign Language (ASL). Increases fluency and accuracy in finger spelling and numbers. Encourages opportunities for interaction with the deaf community. Taken with SLNG 1215. Instructional Material: NA EWISD Prerequisites: SGNL1401 What's Next? SGNL 2301 Course taught by an approved adjunct instructor. DUAL CREDIT CONVERSATIONAL SIGN LANGUAGE IN THE WORKPLACE AB ICC Course: Conversational Sign Language in the Workplace (SLNG 1202) Development of basic conversational skills through practice designed to improve communication with clients/covorkers who are deaf.	03980200 Grade level: HS: 11-12 ECHS: 9-12 Credit(s): 1 College Hour(s): 4 hours Tier I 4422 AB 84600XXX Grade level: HS: 11-12
What's Next? American Sign Language III AB or Honors American Sign Language III AB CCC Course: American Sign Language (SGNL 1402) Develops receptive and expressive ability and allows recognition and demonstration of more sophisticated irrammatical features of American Sign Language (ASL). Increases fluency and accuracy in finger spelling and numbers. Encourages opportunities for interaction with the deaf community. Taken with SLNG 1215. Instructional Material: NA WISD Prerequisites: SGNL1401 What's Next? SGNL 2301 Course taught by an approved adjunct instructor. DUAL CREDIT CONVERSATIONAL SIGN LANGUAGE IN THE WORKPLACE AB CCC Course: Conversational Sign Language in the Workplace (SLNG 1202) Development of basic conversational skills through practice designed to improve communication with clients/coverkers who are deaf.	03980200 Grade level: HS: 11-12 ECHS: 9-12 Credit(s): 1 College Hour(s): 4 hours Tier I 4422 AB 84600XXX Grade level: HS: 11-12 ECHS: 9-12
What's Next? American Sign Language III AB or Honors American Sign Language III AB DUAL CREDIT AMERICAN SIGN LANGUAGE II AB FCC Course: American Sign Language (SGNL 1402) Develops receptive and expressive ability and allows recognition and demonstration of more sophisticated grammatical features of American Sign Language (ASL). Increases fluency and accuracy in finger spelling and numbers. Encourages opportunities for interaction with the deaf community. Taken with SLNG 1215. Instructional Material: NA EWISD Prerequisites: SGNL1401	03980200 Grade level: HS: 11-12 ECHS: 9-12 Credit(s): 1 College Hour(s): 4 hours Tier I 4422 AB 84600XXX Grade level: HS: 11-12

ITIER II TOTAL CREDIT VISUAL & GESTURAL COMMUNICATION T CC Course: American Sign Language IV, taken in sequence, student interest harbars Next? Memors American Sign Language IV AB WAL CREDIT VISUAL & GESTURAL COMMUNICATION T CC Course: American Sign Language (SLGN 1215) evelopment of skills in non-verbal communication. Emphasizes the use and understanding of facial expression, grade level: HS: 11-1 ECHS: 9-12 Credit(s): 1 ECHS: 9-12 Credit(s): 1 College Hour(s): 4 ho Tier I WIAL CREDIT DEAF CULTURE AB CC Course: Deaf Culture (SLNG 1347) URLA CREDIT DEAF CULTURE AB CC Course: Deaf Culture (SLNG 1347) URLA CREDIT DEAF CULTURE AB CC Course: Deaf Culture (SLNG 1347) EVENT OF THE COLOR OF A MEMORIAL STRUCTURE AB CC Course: Deaf Culture (SLNG 1347) URLA CREDIT AMERICAN SIGN L301 WISD Prerequisites: SGNL 2301 & SLNG 1215 Mars Next? NA Tier I WIAL CREDIT OF ABORD AS SIGN L301 (SLNG 1347) EVENT OF THE COLOR OF A MEMORIAL STRUCTURE AB CC Course: Deaf Culture (SLNG 1347) EVENT OF THE COLOR OF A MEMORIAL STRUCTURE AB CC Course: Deaf Culture (SLNG 1347) EVENT OF THE COLOR OF A MEMORIAL STRUCTURE AB CC Course: Deaf Culture (SLNG 1347) WIAL CREDIT AMERICAN SIGN LANGUAGE III AB CC Course: American Sign Language (SGNL 2301) The first semester covers Visual and Gestural Communication. Integrates and refines expressive and receptive skills of Grade level: HS: 11-1 ECHS: 9-12 EVENT OF THE COLOR OF A MEMORIAL STRUCTURE AB CC Course: American Sign Language (SGNL 2301) The first semester covers Visual and Gestural Communication. Integrates and refines expressive and receptive skills of Grade level: HS: 11-1 ECHS: 9-12 FIRST OF THE COLOR OF TH		4408 AB
primunication, and understanding of deaf culture. Includes direction of regional variations in signs and idioms sed in given conversation. Additional independent research and service projects are required of Honors class undents. Includents. Tier II Structional Material: Signing Naturally Level III. Dawn Sign Press Media, ISBN: 9781581211351 Tier II Tier I		03980300
sed in given conversation. Additional independent research and service projects are required of Honors class College Hour(s): NA structional Material; Signing Naturally Level III. Dawn Sign Press Media, ISBN: 9781581211351 Tier II Trerequisites, American Sign Language II; taken in sequence, student interest Marks: Next2 Honors American Sign Language (VAB UNAL CREDIT VISUAL & GESTURAL COMMUNICATION T CC Course: American Sign Language (SLGN 1215) evelopment of skills in non-verbal communication. Emphasizes the use and understanding of facial expression, estures, pantomime, and body language. Structional Material: NA MSD Prerequisites; SGNL 1402 MSD Prerequisites; SGNL 1402 Marks Next2 SGNL 2301 aurse taught by an approved adjunct instructor. Tier I MAL CREDIT DEAF CULTURE AB CC Course: Deaf Culture (SLNG 1347) Istorical and contemporary perspective of American Deaf culture using a sociocultural model. Includes cultural storical and contemporary perspective of American Deaf culture using a sociocultural model. Includes cultural storical and contemporary perspective of American Deaf culture using a sociocultural model includes cultural storical and contemporary perspective of American Deaf culture using a sociocultural model includes cultural storical and contemporary perspective of American Deaf culture using a sociocultural model includes cultural storical and contemporary perspective of American Deaf culture using a sociocultural model includes cultural storical and contemporary perspective of American Deaf culture using a sociocultural model includes cultural storical and contemporary perspective of American Deaf culture using a sociocultural model includes cultural storical and contemporary perspective of American Deaf culture using a sociocultural model includes cultural storical and contemporary perspective of American Deaf culture using a sociocultural model includes cultural storical and contemporary perspective of American Deaf culture using a sociocultural model includes cultural storical an		
subuntions. College Hour(s): NA Structions Materials. Signing Naturally Level III. Dawn Sign Press Media, ISBN: 9781581211351 Tier II **Torquisities** American Sign Language II; taken in sequence, student interest that's Navit Honors American Sign Language IV AB **NAUL CREDIT VISUAL & GESTURAL COMMUNICATION T **CC Course: American Sign Language (SLGN 1215) **evelopment of skills in non-verbal communication. Emphasizes the use and understanding of facial expression, estures, pantomime, and body language. **GERING STATE STATE AND STATE		
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PUAL CREDIT AMERICAN SIGN LANGUAGE IV AB CC Course: American Sign Language (SGNL 2302) Integration of expressive and receptive skills in American Sign Language (ASL) with emphasis on grammar, 03980400 Inguistics, literature, and discourse styles at an intermediate level. Provides students with information linguistic and Grade level: HS: 11-1		
CC Course: American Sign Language (SGNL 2302) Integration of expressive and receptive skills in American Sign Language (ASL) with emphasis on grammar, Inguistics, literature, and discourse styles at an intermediate level. Provides students with information linguistic and Inguistics of Course: American Sign Language (ASL) with emphasis on grammar, Inguistics of Course: American Sign Language (SGNL 2302) Inguistics, literature, and discourse styles at an intermediate level. Provides students with information linguistic and Inguistics of Course: American Sign Language (ASL) with emphasis on grammar, Inguistics of Course: American Sign Language (ASL) with emphasis on grammar, Inguistics of Course: American Sign Language (ASL) with emphasis on grammar, Inguistics of Course of Cour		
ntegration of expressive and receptive skills in American Sign Language (ASL) with emphasis on grammar, 03980400 anguistics, literature, and discourse styles at an intermediate level. Provides students with information linguistic and Grade level: HS: 11-1		4420 AB
nguistics, literature, and discourse styles at an intermediate level. Provides students with information linguistic and Grade level: HS: 11-1		
, ,		
	•	
	rultural variations.	ECHS: 9-12
	nstructional Material: NA	• • •
	WISD Prerequisites: SGNL 2301	College Hour(s): 4 hours
	Course taught by an approved adjunct instructor.	
	DUAL CREDIT OTHER FOREIGN LANGUAGES LEVEL 1 AB	4331 WD
	CC Course: Beginning American Sign Language (SGNL 1401)	02002200
	students become aware of multiple perspectives and means of expression, which lead to an appreciation of	03993200
	liffication and alternative French and have flag afficient to the control of the first terms of the first terms of the control of the first terms	
	difference and diversity. Further benefits of foreign language study include stronger cognitive development,	
· · · · · . · . · . · .	ncreased creativity, and divergent thinking. Students who effectively communicate in more than one language, with	
	ncreased creativity, and divergent thinking. Students who effectively communicate in more than one language, with in appropriate understanding of cultural context, are globally literate and possess the attributes of successful	Credit(s): 1
ompletion of this course. Tier I	ncreased creativity, and divergent thinking. Students who effectively communicate in more than one language, with	College Hour(s): 4 hours

Instructional Material: TBD TCC Prerequisites: None What's Next? SGNL 1402

DUAL CREDIT OTHER FOREIGN LANGUAGES LEVEL 2 AB	4353 AB
TCC Course: Beginning American Sign Language (SGNL 1402)	
Students become aware of multiple perspectives and means of expression, which lead to an appreciation of	03993300
difference and diversity. Further benefits of foreign language study include stronger cognitive development,	
increased creativity, and divergent thinking. Students who effectively communicate in more than one language, with	Grade level: 9 - 12
an appropriate understanding of cultural context, are globally literate and possess the attributes of successful participants in the world community. At the high school level, students shall be awarded one credit for successful	Credit(s): 1
completion of this course.	College Hour(s): 4 hours
·	Tier I
Instructional Material: TBD TCC Prerequisites: SGNL1401	
What's Next? SGNL 2301	
Course taught by an approved adjunct instructor.	
DUAL CREDIT OTHER FOREIGN LANGUAGES LEVEL 3 AB	4355 AB
TCC Course: Intermediate American Sign Language I (SGNL 2301)	4333 AB
Students become aware of multiple perspectives and means of expression, which lead to an appreciation of	02002400
difference and diversity. Further benefits of foreign language study include stronger cognitive development,	03993400
increased creativity, and divergent thinking. Students who effectively communicate in more than one language, with	Consider Laurello 12
an appropriate understanding of cultural context, are globally literate and possess the attributes of successful	Grade level: 9 - 12 Credit(s): 1
participants in the world community. At the high school level, students shall be awarded one credit for successful	College Hours(s): 3 hours
completion of this course.	Tier I
Instructional Material: TBD	11011
TCC Prerequisites: SGNL 1401 and SGNL 1402	
What's Next? NA	
Course taught by an approved adjunct instructor.	
CHINESE I AB	4356 AB
Offers everyday conversational patterns in culturally authentic situations and introduces reading and writing. Offers	03490100
practice in using learned material to carry on very simple conversations and to read and write familiar material.	03430100
Fosters awareness in Mandarin Chinese culture and of the importance of accuracy expression. This course may also	Grade level: 9 – 12
be broadcasted by the FWISD; students in all high schools have the opportunity to participate.	Credit(s): 1
Instructional Material: 1614- Zhēn Bàng! Level I, EMC Publishing ISBN: 9781533815200	College Hour(s): NA
Prerequisites: Taken in sequence	Tier III
What's Next? Chinese II AB	
CHINESE II AB	4358 AB
Expands oral and written skills into more challenging constructions, increased proficiency with the Chinese character	03490200
system, increased reading comprehension and a variety of cultural experiences in the Chinese speaking world. Offers	
practice in Pinyan (Chinese pronunciation code), understanding and producing sentence-length utterances, and	
brief, connected texts using recombination's of learned material. Promotes recognition of the role of culture and	Grade level: 9 – 12
language components in communication.	Credit(s): 1
Instructional Material: 1615- Zhēn Bàng! Level II, EMC Publishing ISBN: 9781533815217	College Hour(s): NA
<u>Prerequisites:</u> Chinese I; taken in sequence	Tier III
What's Next? Honors Chinese III AB	
HONORS CHINESE II AB	4359 AB
The honors course is designed for ninth grade students who have completed two years of languages in middle	03490200
school or highly motivated language learners. These students will expand and strengthen the linguistic skills learned	
during their first language course. Students will be expected to participate in daily aural and written activities and	Grade level: 9 – 12
conduct classroom conversations to create an immersion-type experience. Students in this course are required to	Credit(s): 1
complete an approved Global Citizen project at the end of the year.	College Hour(s): NA
Instructional Material: 1615- Zhēn Bàng! Level II, EMC Publishing ISBN: 9781533815217	Tier II
<u>Prerequisites:</u> Chinese I; taken in sequence	
What's Next? Honors Chinese III AB	
Course taught by locally certified gifted teacher or AP trained teacher	
HONORS CHINESE III AB	4362 AB
Emphasizes creative self-expression in spoken language. Expands aural comprehension to improve guessing from	03490300
context. Includes short passages from both adapted and authentic literature, in the reading practice and some	
creative writing. Promotes increased knowledge of the Chinese culture and components of the language.	Grade level: 9 - 12
Instructional Material: 1616- Zhēn Bàng! Level III, EMC Publishing, ISBN 9781533815224	Credit(s): 1
<u>Prerequisites:</u> Chinese II, taken in sequence	College Hour(s): NA
What's Next? AP Chinese Language and culture AB or Honors Chinese IV AB	Tier II
Course taught by locally certified gifted teacher or AP trained teacher	
HONORS CHINESE IV AB	4367 AB
Affords an opportunity for students to carry on connected discourse in straightforward situations, to produce oral	03490400
presentations and written reports on a variety of topics, and interpret text from various genres and subject areas.	
Fosters cultural and linguistic accuracy in communication.	Grade level: 10 - 12
rosters cartain and impaistic accuracy in communication.	

Instructional Material: No state adopted materials / Contact Content Director	Crodit(s): 1
Instructional Material: No state adopted materials/ Contact Content Director Prerequisites: Honors Chinese III, taken in sequence	Credit(s): 1 College Hour(s): NA
What's Next? Chinese V AB	Tier II
Course taught by locally certified gifted teacher.	
AP CHINESE LANGUAGE AND CULTURE IV AB	4364 AB
AP Chinese Language and Culture covers material corresponding to an intermediate-level college course in Chinese.	A3490400
Students cultivate their understanding of Chinese language and culture by applying the interpersonal, interpretive,	Grade level: 9 - 12
and presentational modes of communication in real-life situations as they explore concepts related to family and	Credit(s): 1
community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and	College Hour(s): NA
global challenges.	Tier I
nstructional Material: No state adopted materials/ Contact Content Director	
<u>Prerequisites:</u> Honors Chinese III, taken in sequence <u>What's Next?</u> Honors Chinese V	
Course taught by an AP trained teacher.	
HONORS CHINESE V ABH	4369 AB
Affords an opportunity for students to carry on connected discourse in straightforward situations, to produce oral	03490500
presentations and written reports on a variety of topics, and interpret text from various genres and subject areas.	Grade level: 10 - 12
Fosters cultural and linguistic accuracy in communication.	Credit(s): 1
nstructional Material: No state adopted materials/ Contact Content Director	College Hour(s): NA
Prerequisites: AP Chinese Language and Cultural	Tier I
What's Next? NA	
Course taught by locally certified gifted teacher.	
RENCH I AB	4131 AB
Offers everyday conversational patterns in culturally authentic situations and introduces reading and writing. Offers	03410100
practice in using learned material to carry on very simple conversations and to read and write familiar material.	Grade level: 9 – 12
Fosters awareness of the variety of French-Speaking cultures and of the importance of accuracy of expression. nstructional Material: 1603- Bien Dit! 1 Houghton, Mifflin, Harcourt, ISBN: 9781328682628	Credit(s): 1
<u>Instructional Material.</u> 1003- <i>Bien Dit! 1 Houghton, Milplin, Hurcourt, 13BN</i> . 9761326662626 Prerequisites: Taken in sequence	College Hour(s): NA
What's Next? French II AB	Tier III
DUAL CREDIT FRENCH I AB	4127 AB
TCC Course: Beginning French I (FREN 1411)	
Fundamental skills in listening comprehension, speaking, reading, and writing. Includes acquisition of language	03410100
functions, basic vocabulary, grammatical structures, and culture through contextualized presentations, interactive	Grade level: HS: 11-12
activities, and extensive laboratory practice.	ECHS: 9-12
Instructional Material: NA	Credit(s): 1
FWISD Prerequisites: Taken in sequence	College Hour(s): 4 hours
What's Next? FREN 1412	Tier I
Course taught by an approved adjunct instructor.	4422.40
FRENCH II AB	4133 AB 03410200
Expands oral and written skills into more challenging constructions, increased reading comprehension, and a variety of cultural experiences in the French-speaking world. Offers practice in understanding and producing sentence-	03410200
length utterances and brief, connected texts using re-combinations of learned material. Promotes recognition of the	Grade level: 9 – 12
role of culture and language components in communication.	Credit(s): 1
nstructional Material: 1604 - Bien Dit! II Houghton, Mifflin, Harcourt, ISBN: 9781328682635	College Hour(s): NA
Prerequisites: French I, taken in sequence	Tier III
<u>What's Next?</u> Honors French III AB	
HONORS FRENCH II AB	4134 AB
The honors course is designed for ninth grade students who have completed two years of languages in middle	03410200
school or highly motivated language learners. These students will expand and strengthen the linguistic skills learned	Credo I 1: 0 12
during their first language course. Students will be expected to participate in daily aural and written activities and	Grade level: 9 – 12 Credit(s): 1
conduct classroom conversations to create an immersion-type experience. Students in this course are required to complete an approved Global Citizen project at the end of the year.	Credit(s): 1 College Hour(s): NA
nstructional Material: 1604 - Bien Dit! II Houghton, Mifflin, Harcourt, ISBN: 9781328682635	Tier II
<u>Prerequisites:</u> French I, taken in sequence	
What's Next? Honors French III AB	
DUAL CREDIT FRENCH II AB	4129 AB
FCC Course: Beginning French II (FREN 1412)	
Continuation of FREN-1411 with emphasis on conversation. Laboratory practice. This is a regular college-level	03410200
rench course in which dual credit will be awarded for college French and high school French II.	Grade level: HS: 11-12
nstructional Material: NA	ECHS: 9-12
FWISD & TCC Prerequisites: FREN 1411	Credit(s): 1
Course taught by an approved adjunct instructor.	College Hour(s): 4 hours
course taught by an approved adjunct assuractor.	Tier I

HONORS FRENCH III AB	4137 AB
Emphasizes creative self-expression in the spoken language. Expands aural comprehension to improve guessing from context. Includes short passages of literature in the reading practice and some creative writing. Promotes	03410300
increased knowledge of the French culture and components of the language	Grade level: 9 – 12
Instructional Material: 1605 - Bien Dit! III Houghton, Mifflin, Harcourt, ISBN: 9781942400349	Credit(s): 1
Prerequisites: French II; novice-high proficiency in speaking; intermediate-low proficiency in listening, reading and	College Hour(s): NA
writing, student interest; taken in sequence	Tier II
What's Next? AP French Language and Culture or Honors French IV AB	
Course taught by locally certified gifted or AP trained teacher	4222 AD
HONORS FRENCH IV ABH	4332 AB
Affords an opportunity for students to participate fully in connected discourse; to communicate successfully in	03410400
problematic situations; to explain, narrate, and describe in present, past, and future time; to analyze and interpret	
literary texts; and to write original compositions on a variety of topics. Fosters accuracy of expression and cultural behavior and the use of French for future careers and personal enrichment	Crada laval: 0 12
Instructional Material: 1606 – APprenons, French IV Wayside Publishing, ISBN: 9781938026911	Grade level: 9 – 12 Credit(s): 1
Prerequisites: Honors French III	, ,
·	College Hour(s): NA Tier II
<u>What's Next?</u> 4141 – AP French Language and Culture; or 4143 Honors French V Course taught by locally certified gifted teacher.	Herli
AP FRENCH LANGUAGE AND CULTURE AB	4141 AB
	A3410100
AP French Language and Culture covers material corresponding to an intermediate-level college course in French. Students cultivate their understanding of French language and culture by applying the interpersonal, interpretive,	A3410100
and presentational modes of communication in real-life situations as they explore concepts related to family and	
community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and	Grade level: 9 – 12
global challenges.	Grade level. 9 – 12
Instructional Material: 1606 – APprenons, French IV Wayside Publishing, ISBN: 9781938026911	Credit(s): 1
Prerequisites: Honors French III	College Hour(s): NA
<u>What's Next?</u> Honors French V AB	Tier I
HONORS FRENCH V AB	4143 AB
Affords an opportunity for students to participate fully in connected discourse; to communicate successfully in	03410500
problematic situations; to explain, narrate, and describe in present, past, and future time; to analyze and interpret	05410500
literary texts; and to write original compositions on a variety of topics. Fosters accuracy of expression and cultural	Grade level: 9 - 12
behavior and the use of French for future careers and personal enrichment	Credit(s): 1
Instructional Material: 1606 –Contact Content Director	College Hour(s): NA
Prerequisites: AP French, Language & Culture	Tier I
What's Next? Honors French VI AB	Heri
HONORS FRENCH VI AB	4145 AB
Affords an opportunity for students to participate fully in connected discourse; to communicate successfully in	03410600
problematic situations; to explain, narrate, and describe in present, past, and future time; to analyze and interpret	Grade level: 9 – 12
literary texts; and to write original compositions on a variety of topics. Fosters accuracy of expression and cultural	Credit(s): 1
behavior and the use of French for future careers and personal enrichment	College Hour(s): NA
Instructional Material: 1606 – Contact Content Director	Tier I
Prerequisites: Honors French V; taken in sequence	Her i
What's Next? N/A	
GERMAN I AB	4191 AB
Offers everyday conversational patterns in culturally authentic situations and introduces reading and writing. Offers	03420100
practice in using learned material to carry on very simple conversations and to read and write familiar material.	Grade level: HS: 9-12
Fosters awareness of German culture and of the importance of accuracy of expression	Credit(s): 1
Instructional Material: 1670 - Portfolio Deutsch Level I, Klett-USA; ISBN: 9783126000024	College Hour(s): NA
Prerequisites: Taken in sequence	Tier III
What's Next? German II AB	440= 5=
DUAL CREDIT GERMAN I AB	4187 AB
TCC Course: Beginning German I (GERM 1411)	
Fundamental skills in listening comprehension, speaking, reading, and writing. Includes acquisition of language	03420100
functions, basic vocabulary, grammatical structures, and culture through contextualized presentations, interactive	Grade level: HS: 11-12
activities, and extensive laboratory practice.	ECHS: 9-12
Instructional Material: NA	Credit(s): 1
Prerequisites: Taken in sequence	College Hour(s): 4 hours
What's Next? GERM 1412 Course taught by an approved adjunct instructor.	Tier I
GERMAN II AB	4193 AB
Expands oral and written skills into more challenging constructions, increased reading comprehension, and a variety	03420200
of cultural experiences in the German-speaking world. Offers practice in understanding and producing sentence-	C . I . I . 2 . 42
length utterances and brief, connected texts using recombination's of learned material. Promotes recognition of the	Grade level: 9 – 12
role of culture and language components in communication	Credit(s): 1

Instructional Material: 1671 - Portfolio Deutsch Level II, Klett-USA; ISBN: 9783126000130	College Hour(s): NA
Prerequisites: German I; taken in sequence	Tier III
What's Next? Honors German III AB	
HONORS GERMAN II AB	4194 AB
The honors course is designed for ninth grade students who have completed two years of languages in middle school or highly motivated language learners. These students will expand and strengthen the linguistic skills learned	03420200
during their first language course. Students will be expected to participate in daily aural and written activities and	Grade level: 9 – 12
conduct classroom conversations to create an immersion-type experience. Students in this course are required to	Credit(s): 1
complete an approved Global Citizen project at the end of the year.	College Hour(s): NA
nstructional Material: 1671 - Portfolio Deutsch Level II, Klett-USA; ISBN: 9783126000130	Tier II
Prerequisites: German I; taken in sequence	
What's Next? Honors German III AB	
DUAL CREDIT GERMAN II AB	4189 AB
FCC Course: Beginning German II (GERM 1412)	03420200
Continuation of GERM 1411 with emphasis on conversation.	Grade level: HS: 11-12 ECHS: 9-12
nstructional Material: NA	Credit(s): 1
FWISD & TCC Prerequisites: GERM-1411	College Hour(s): 4 hours
Course taught by an approved adjunct instructor.	Tier I
HONORS GERMAN III AB	4197 AB
Emphasizes creative self-expression in the spoken language. Expands aural comprehension to improve guessing	03420300
rom context. Includes short passages of literature for reading practice and some creative writing. Promotes	
ncreased knowledge of the German culture and components of the language	Grade level: 9 – 12
nstructional Material: 1672 - Portfolio Deutsch Level III, Klett-USA; ISBN: 97831260000208	Credit(s): 1
Prerequisites: German II; novice-high proficiency in speaking; intermediate-low proficiency in listening, reading, and	College Hour(s): NA
writing; student interest; taken in sequence	Tier II
What's Next? Honors German IV AB or AP German Language and Culture IV AB	4000.45
HONORS GERMAN IV AB	4338 AB
Affords an opportunity for students to participate fully in connected discourse; to communicate successfully in	03420400
problematic situations; to explain, narrate, and describe in present, past, and future time; to analyze and interpret	6 0 10
iterary texts; and to write original compositions on a variety of topics. Fosters accuracy of expression and cultural	Grade level: 9 – 12
pehavior and the use of French for future careers and personal enrichment	Credit(s): 1
nstructional Material: Portfolio Deutsch Level IV, Klett-USA; ISBN: 9783126000260	College Hour(s): NA
Prerequisites: Honors German III Albert's Next 2 A.R. Corman Language and Culture V. A.R.	Tier II
What's Next? AP German Language and Culture V AB	4201 AD
AP GERMAN LANGUAGE AND CULTURE AB	4201 AB
AP German Language and Culture covers material corresponding to an intermediate-level college course in German. Students cultivate their understanding of German language and culture by applying the interpersonal, interpretive,	A3420100
and presentational modes of communication in real-life situations as they explore concepts related to family and	Grade level: 9 – 12
community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and	Credit(s): 1
global challenges. nstructional Material <u>:</u> Portfolio Deutsch Level IV, Klett-USA; ISBN: 9783126000260	College Hour(s): NA
Prerequisites: Honors German III	Tier I
<u>Vhat's Next?</u> Honors German V AB	1161 1
HONORS GERMAN V AB	4203 AB
Affords an opportunity for students to participate fully in connected discourse; to communicate successfully in	03420500
problematic situations; to explain, narrate, and describe in present, past, and future time; to analyze and interpret	-5.2000
iterary texts; and to write original compositions on a variety of topics. Fosters accuracy of expression and cultural	Grade level: 9 – 12
pehavior and the use of French for future careers and personal enrichment	Credit(s): 1
nstructional Material: No state-adopted instructional material(s)/Deutschen Gramatick, 2nd Edition, Houghton	College Hour(s): NA
Mifflin/Contact Content Director	Tier I
Prerequisites: AP German Language & Culture	
<u>Vhat's Next?</u> NA	
HONORS GERMAN VI AB	4205 AB
Affords an opportunity for students to participate fully in connected discourse; to communicate successfully in	03420600
problematic situations; to explain, narrate, and describe in present, past, and future time; to analyze and interpret	
iterary texts; and to write original compositions on a variety of topics. Fosters accuracy of expression and cultural	Grade level: 9 – 12
pehavior and the use of German for future careers and personal enrichment	Credit(s): 1
nstructional Material: No state-adopted instructional material(s)/Deutschen Gramatick, 2nd Edition, Houghton	College Hour(s): NA
Aifflin/Contact Content Director	Tier I
rerequisites: AP German Language and Culture; taken in sequence	

ITALIAN I AB	4244 AB
Offers everyday conversational patterns in culturally authentic situations and introduces reading and writing. Offers	03400100
practice in using learned material to carry on very simple conversations and to read and write familiar material.	
Fosters awareness of Italian culture and of the importance of accuracy of expression	Grade level: 9 – 12
Instructional Material: Chiarissimo I - Wayside Publishing; ISBN: 9781942400370	Credit(s): 1
<u>Prerequisites:</u> N/A <u>What's Next?</u> Italian II AB	College Hour(s): NA Tier III
ITALIAN II AB	4250 AB
Expands oral and written skills into more challenging constructions, increased reading comprehension, and a variety	03400200
of cultural experiences in the Italian-speaking world. Offers practice in understanding and producing sentence-	
length utterances and brief, connected texts using re-combinations of learned material. Promotes recognition of the	Grade level: 10 – 12
role of culture and language components in communication	Credit(s): 1
Instructional Material: Chiarissimo II - Wayside Publishing; ISBN: 9781942400394	College Hour(s): NA Tier III
<u>Prerequisites:</u> Italian I, taken in sequence <u>What's Next?</u> Honors Italian III AB	Herm
HONORS ITALIAN II AB	4251 AB
The honors course is designed for ninth grade students who have completed two years of languages in middle	03400200
school or highly motivated language learners. These students will expand and strengthen the linguistic skills learned	
during their first language course. Students will be expected to participate in daily aural and written activities and	Grade level: 10 – 12
conduct classroom conversations to create an immersion-type experience. Students in this course are required to	Credit(s): 1
complete an approved Global Citizen project at the end of the year.	College Hour(s): NA
Instructional Material: Chiarissimo II - Wayside Publishing; ISBN: 9781942400394 Prerequisites: Italian I, taken in sequence	Tier II
What's Next? Honors Italian III AB	
HONORS ITALIAN III AB	4252 AB
Emphasizes creative self-expression in the spoken and written language. Reinforces previously learned materials.	03400300
Develops spoken, written, and listening skills. Enhances cultural awareness through reading of major literary works	
and study of art, history, music, and geography	
Instructional Material: Sentieri - Vista Higher Learning. ISBN: 9781626808058	Grade level: 11 – 12
<u>Prerequisites:</u> Italian II; novice-high proficiency in speaking; intermediate-low proficiency in listening, reading, and	Credit(s): 1
writing; student interest; taken in sequence <u>What's Next?</u> Honors Italian IV AB or AP Italian Language and Culture AB	College Hour(s): NA Tier II
HONORS ITALIAN IV ABH	4255 AB
Affords an opportunity for students to participate fully in connected discourse; to communicate successfully in	03400400
problematic situations; to explain, narrate, and describe in present, past, and future time; to analyze and interpret	
literary texts; and to write original compositions on a variety of topics. Fosters accuracy of expression and cultural	
behavior and the use of French for future careers and personal enrichment	Grade level: 9 – 12
Instructional Material: Immagina - Vista Higher Learning; ISBN: 978-1-62680-905-5	Credit(s): 1
<u>Prerequisites:</u> Honors Italian III; student interest; taken in sequence	College Hour(s): NA
·	Tior II
What's Next? NA	Tier II 4256 AB
What's Next? NA AP ITALIAN LANGUAGE AND CULTURE AB	4256 AB
What's Next? NA AP ITALIAN LANGUAGE AND CULTURE AB AP Italian Language and Culture covers material corresponding to an intermediate-level college course in Italian.	
What's Next? NA AP ITALIAN LANGUAGE AND CULTURE AB	4256 AB A3400400
What's Next? NA AP ITALIAN LANGUAGE AND CULTURE AB AP Italian Language and Culture covers material corresponding to an intermediate-level college course in Italian. Students cultivate their understanding of Italian language and culture by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and	4256 AB A3400400 Grade level: 9 – 12
What's Next? NA AP ITALIAN LANGUAGE AND CULTURE AB AP Italian Language and Culture covers material corresponding to an intermediate-level college course in Italian. Students cultivate their understanding of Italian language and culture by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges.	4256 AB A3400400 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
What's Next? NA AP ITALIAN LANGUAGE AND CULTURE AB AP Italian Language and Culture covers material corresponding to an intermediate-level college course in Italian. Students cultivate their understanding of Italian language and culture by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges. Instructional Material: Immagina - Vista Higher Learning; ISBN: 978-1-62680-905-5	4256 AB A3400400 Grade level: 9 – 12 Credit(s): 1
What's Next? NA AP ITALIAN LANGUAGE AND CULTURE AB AP Italian Language and Culture covers material corresponding to an intermediate-level college course in Italian. Students cultivate their understanding of Italian language and culture by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges. Instructional Material: Immagina - Vista Higher Learning; ISBN: 978-1-62680-905-5 Prerequisites: Honors Italian III; student interest; taken in sequence	4256 AB A3400400 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
What's Next? NA AP ITALIAN LANGUAGE AND CULTURE AB AP Italian Language and Culture covers material corresponding to an intermediate-level college course in Italian. Students cultivate their understanding of Italian language and culture by applying the interpresonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges. Instructional Material: Immagina - Vista Higher Learning; ISBN: 978-1-62680-905-5 Prerequisites: Honors Italian III; student interest; taken in sequence JAPANESE I AB	4256 AB A3400400 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier I 4280 AB
What's Next? NA AP ITALIAN LANGUAGE AND CULTURE AB AP Italian Language and Culture covers material corresponding to an intermediate-level college course in Italian. Students cultivate their understanding of Italian language and culture by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges. Instructional Material: Immagina - Vista Higher Learning; ISBN: 978-1-62680-905-5 Prerequisites: Honors Italian III; student interest; taken in sequence JAPANESE I AB Offers everyday conversational patterns in culturally authentic situations and introduces reading and writing. Offers	4256 AB A3400400 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
What's Next? NA AP ITALIAN LANGUAGE AND CULTURE AB AP Italian Language and Culture covers material corresponding to an intermediate-level college course in Italian. Students cultivate their understanding of Italian language and culture by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges. Instructional Material: Immagina - Vista Higher Learning; ISBN: 978-1-62680-905-5 Prerequisites: Honors Italian III; student interest; taken in sequence JAPANESE I AB	4256 AB A3400400 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier I 4280 AB
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What's Next? Honors Japanese III AB

HONORS JAPANESE II AB	4283 AB
The honors course is designed for ninth grade students who have completed two years of languages in middle	03120200
school or highly motivated language learners. These students will expand and strengthen the linguistic skills learned	
during their first language course. Students will be expected to participate in daily aural and written activities and	Grade level: 9 – 12
conduct classroom conversations to create an immersion-type experience. Students in this course are required to	Credit(s): 1
omplete an approved Global Citizen project at the end of the year.	College Hour(s): NA
nstructional Material: 1623 — Genki, Level II, Cheng & Tsui, Co. Inc., ISBN: 9784789014434	Tier II
<u>Prerequisites:</u> Japanese I; taken in sequence	
<u>Vhat's Next?</u> Honors Japanese III AB	
HONORS JAPANESE III AB	4288 AB
imphasizes creative self-expression in the spoken language. Expands aural comprehension to improve guessing	03120300
rom context Includes short passages of literature adapted from Kanji in the reading practice and some creative	
vriting. Promotes increased knowledge of the Japanese culture and components of the language	
nstructional Material: 1624 — Tobira, Level III Gateway to Advanced Japanese, Cheng & Tsui, Co. Inc., ISBN:	Grade level: 9 – 12
784874244470	Credit(s): 1
rerequisites: Japanese II; demonstrated proficiency at the intermediate-low level in speaking and writing and the	College Hour(s): NA
ntermediate-mid level in listening and reading; student interest	Tier II
<u>Vhat's Next?</u> AP Japanese Language & Culture	
IONORS JAPANESE IV A	4289 A
mphasizes creative self-expression in the spoken language. Offers practice in understanding and producing oral	03120400
nd written passages on a variety of topics. Prepares students to increase level of proficiency in the Japanese	
nguage across the three communicative modes: (Interpersonal, Interpretive, and Presentational) and the via goal	Grade level: 10 – 12
reas of the national and state standards: (Communication, Cultures, Connections, Comparisons, and Communities).	Credit(s): 1
uthentic sources support acquisition of both linguistic and cultural skills. Course fosters accuracy of expression and	College Hour(s): NA
ultural behavior and the use of Japanese for future careers and personal enrichment.	Tier II
nstructional Material: Tobira: Level IV Power Up Your Kanji, Cheng & Tsui, Co. Inc., ISBN: 9784874244876	
Prerequisites: Honors Japanese III, taken in sequence	
What's Next? JAPNB/H 4289B	
NP JAPANESE LANGUAGE AND CULTURE AB	4286 AB
P Japanese Language and Culture covers material corresponding to an intermediate-level college course in	A3120400
apanese. Students cultivate their understanding of Japanese language and culture by applying the interpersonal,	Grade level: 9 – 12
nterpretive, and presentational modes of communication in real-life situations as they explore concepts related to	Credit(s): 1
amily and community, personal and public identity, beauty and aesthetics, science and technology, contemporary	College Hour(s): NA
ife, and global challenges.	Tier I
nstructional Material: Tobira: Level IV Power Up Your Kanji, Cheng & Tsui, Co. Inc., ISBN: 9784874244876	rieri
Prerequisites: Honors Japanese III, taken in sequence	
What's Next? NA	4244 A.D.
ATIN I AB	4211 AB
ntroduces the reading of Latin, reinforced by listening, speaking, and writing. Fosters awareness of Roman culture	03430100
ntroduces the reading of Latin, reinforced by listening, speaking, and writing. Fosters awareness of Roman culture	Grade level: 9 – 12
ntroduces the reading of Latin, reinforced by listening, speaking, and writing. Fosters awareness of Roman culture nd of components of the language	
ntroduces the reading of Latin, reinforced by listening, speaking, and writing. Fosters awareness of Roman culture and of components of the language anstructional Material: 1625 - Elevate Level I, Unit I & Unit II Cambridge University Press, ISBN: 9781316646199	Grade level: 9 – 12
ntroduces the reading of Latin, reinforced by listening, speaking, and writing. Fosters awareness of Roman culture and of components of the language nstructional Material : 1625 - Elevate Level I, Unit I & Unit II Cambridge University Press, ISBN: 9781316646199 Prerequisites : Taken in sequence	Grade level: 9 – 12 Credit(s): 1
ntroduces the reading of Latin, reinforced by listening, speaking, and writing. Fosters awareness of Roman culture nd of components of the language <u>nstructional Material:</u> 1625 - Elevate Level I, Unit I & Unit II Cambridge University Press, ISBN: 9781316646199 <u>trerequisites:</u> Taken in sequence <u>What's Next?</u> Latin II AB	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III
ntroduces the reading of Latin, reinforced by listening, speaking, and writing. Fosters awareness of Roman culture and of components of the language instructional Material: 1625 - Elevate Level I, Unit I & Unit II Cambridge University Press, ISBN: 9781316646199 rerequisites: Taken in sequence What's Next? Latin II AB	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 4213 AB
ntroduces the reading of Latin, reinforced by listening, speaking, and writing. Fosters awareness of Roman culture and of components of the language instructional Material: 1625 - Elevate Level I, Unit I & Unit II Cambridge University Press, ISBN: 9781316646199 rerequisites: Taken in sequence What's Next? Latin II AB ATIN II AB uilds skills in reading comprehension, complemented by listening, speaking, and writing practice. Promotes	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 4213 AB 03430200
ntroduces the reading of Latin, reinforced by listening, speaking, and writing. Fosters awareness of Roman culture and of components of the language instructional Material: 1625 - Elevate Level I, Unit I & Unit II Cambridge University Press, ISBN: 9781316646199 rerequisites: Taken in sequence What's Next? Latin II AB ATIN II AB uilds skills in reading comprehension, complemented by listening, speaking, and writing practice. Promotes ecognition of the role of Roman culture and language components in communication	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 4213 AB 03430200 Grade level: 9 – 12
ntroduces the reading of Latin, reinforced by listening, speaking, and writing. Fosters awareness of Roman culture and of components of the language instructional Material: 1625 - Elevate Level I, Unit I & Unit II Cambridge University Press, ISBN: 9781316646199 rerequisites: Taken in sequence What's Next? Latin II AB ATIN II AB uilds skills in reading comprehension, complemented by listening, speaking, and writing practice. Promotes ecognition of the role of Roman culture and language components in communication instructional Material: 1625 - Elevate Level II, Unit III Cambridge University Press ISBN: 97813166462290	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 4213 AB 03430200 Grade level: 9 – 12 Credit(s): 1
Introduces the reading of Latin, reinforced by listening, speaking, and writing. Fosters awareness of Roman culture and of components of the language instructional Material: 1625 - Elevate Level I, Unit I & Unit II Cambridge University Press, ISBN: 9781316646199 (Verequisites: Taken in sequence What's Next? Latin II AB (Verequisites)	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 4213 AB 03430200 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA
ntroduces the reading of Latin, reinforced by listening, speaking, and writing. Fosters awareness of Roman culture and of components of the language instructional Material: 1625 - Elevate Level I, Unit I & Unit II Cambridge University Press, ISBN: 9781316646199 rerequisites: Taken in sequence What's Next? Latin II AB ATIN II AB uilds skills in reading comprehension, complemented by listening, speaking, and writing practice. Promotes ecognition of the role of Roman culture and language components in communication instructional Material: 1625 - Elevate Level II, Unit III Cambridge University Press ISBN: 97813166462290 rerequisites: Latin I; taken in sequence What's Next? Honors Latin III AB	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 4213 AB 03430200 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III
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Introduces the reading of Latin, reinforced by listening, speaking, and writing. Fosters awareness of Roman culture and of components of the language instructional Material: 1625 - Elevate Level I, Unit I & Unit II Cambridge University Press, ISBN: 9781316646199 rerequisites: Taken in sequence What's Next? Latin II AB ATIN II AB uilds skills in reading comprehension, complemented by listening, speaking, and writing practice. Promotes ecognition of the role of Roman culture and language components in communication instructional Material: 1625 - Elevate Level II, Unit III Cambridge University Press ISBN: 97813166462290 rerequisites: Latin I; taken in sequence What's Next? Honors Latin III AB BONORS LATIN II AB he honors course is designed for ninth grade students who have completed two years of languages in middle	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 4213 AB 03430200 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III
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ntroduces the reading of Latin, reinforced by listening, speaking, and writing. Fosters awareness of Roman culture and of components of the language instructional Material: 1625 - Elevate Level I, Unit I & Unit II Cambridge University Press, ISBN: 9781316646199 (rerequisites: Taken in sequence What's Next? Latin II AB (unit II AB) ATIN II AB (unit II AB) uilds skills in reading comprehension, complemented by listening, speaking, and writing practice. Promotes ecognition of the role of Roman culture and language components in communication (instructional Material: 1625 - Elevate Level II, Unit III Cambridge University Press ISBN: 97813166462290 (instructional Material: 1625 - Elevate Level II, Unit III Cambridge University Press ISBN: 97813166462290 (instructional Material: 1625 - Elevate Level II, Unit III Cambridge University Press ISBN: 97813166462290 (instructional Material: 1625 - Elevate Level II, Unit III Cambridge University Press ISBN: 97813166462290 (instructional Material: 1625 - Elevate Level II, Unit III Cambridge University Press ISBN: 97813166462290 (instructional Material: 1625 - Elevate Level II, Unit III Cambridge University Press ISBN: 97813166462290 (instructional Material: 1625 - Elevate Level II, Unit III Cambridge University Press ISBN: 97813166462290 (instructional Material: 1625 - Elevate Level II, Unit III Cambridge University Press ISBN: 97813166462290 (instructional Material: 1625 - Elevate Level II, Unit III Cambridge University Press ISBN: 97813166462290 (instructional Material: 1625 - Elevate Level II, Unit III Cambridge University Press ISBN: 97813166462290 (instructional Material: 1625 - Elevate Level II, Unit III Cambridge University Press ISBN: 97813166462290 (instructional Material: 1625 - Elevate Level II, Unit III Cambridge University Press ISBN: 97813166462290 (instructional Material: 1625 - Elevate Level II, Unit III Cambridge University Press ISBN: 97813166462290 (instructional Material: 1625 - Elevate Level II, Unit III Cambridge University Press ISBN: 97813166462290 (Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 4213 AB 03430200 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 4214 AB
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Introduces the reading of Latin, reinforced by listening, speaking, and writing. Fosters awareness of Roman culture and of components of the language Instructional Material: 1625 - Elevate Level I, Unit I & Unit II Cambridge University Press, ISBN: 9781316646199 Interrequisites: Taken in sequence Interval I AB I AB I AB I I AB I I AB I I I AB I I I I I I I I I I I I I I I I I I I	Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 4213 AB 03430200 Grade level: 9 – 12 Credit(s): 1 College Hour(s): NA Tier III 4214 AB 03430200 Grade level: 9 – 12 Credit(s): 1
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O3440100 O34401	TCC Course: Beginning Spanish I (SPAN 1411)	
acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the beginner ewel. Includes acquisition of language functions, basic vocabulary, and culture through contextualized presentations, Instructional Material; NA WISD Prerequisites: Taken in sequence WIND Prerequisites: Taken in sequence WIND Prerequisites: Only offered at Dunbar What's Next? TCC SPAN 1412 Course taught by an approved adjunct instructor. SPANISH II AB SEXPANISH II AB	TWU Course: Spanish 1 (SPN 1341)	
evel. Includes acquisition of language functions, basic vocabulary, and culture through contextualized presentations, Interactive activities, and extensive laboratory practice. Instructional Material; NA EWISD Prerequisites: Only offered at Dunbar What's Next? TCC SPAN 1412 SPANISH II AB Expands oral and written skills into more challenging constructions, increased reading comprehension, and a variety of cultural experiences in the Spanish-speaking world. Offers practice in understanding and producing sentence-ength utterances and brief, connected texts using recombination's of learned material. Promotes recognition of the role of culture and language components in communication Instructional Material; 1646 - Texas Auténtico II, Pearson Education, Inc.; ISBN: 032890547X Credit(s): 1 Course taught by an approved adjunct instructor. 4073 AB 4073 AB 03440200 Grade level: 9 - 12 Credit(s): 1 Credit(s):	Basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students will	03440100
Interactive activities, and extensive laboratory practice. Instructional Material; NA What's Next? TCC SPAN 1412 Course taught by an approved adjunct instructor. SPANISH II AB Sexpands oral and written skills into more challenging constructions, increased reading comprehension, and a variety of cultural experiences in the Spanish-speaking world. Offers practice in understanding and producing sentence-ength utterances and brief, connected texts using recombination's of learned material. Promotes recognition of the order of culture and language components in communication Serverequisites; Spanish I; taken in sequence What's Next? Honors Spanish III AB Tier III HONORS SPANISH II AB The honors course is designed for ninth grade students who have completed two years of languages in middle school or highly motivated language learners. These students will expand and strengthen the linguistic skills learned during their first language course. Students will be expected to participate in daily aural and written activities and complete an approved Global Citizen project at the end of the year. DIAL CREDIT SPANISH II AB DUAL CREDIT SPANISH II AB TO College Hour(s): A Tier II Pererequisites: Spanish I; taken in sequence What's Next? Honors Spanish III (SPAN 1412) TWU Course: Spanish II (SPAN 1412) TWU Course: Spanish II (SPAN 1412) TWU Course: Spanish I (SPAN 1412) Transework. Students will acquire the vocabulary and grammatical structures necessary to communicate and Grade level: HS: 11-12		
Instructional Material; NA WISD Prerequisites: Taken in sequence WIND Prerequisites: Only offered at Dunbar What's Next? TCC SPAN 1412 Course taught by an approved adjunct instructor. SPANISH II AB Expands oral and written skills into more challenging constructions, increased reading comprehension, and a variety of cultural experiences in the Spanish-speaking world. Offers practice in understanding and producing sentence-ength utterances and brief, connected texts using recombination's of learned material. Promotes recognition of the role of culture and language components in communication Instructional Material; 1646 - Texas Auténtico II, Pearson Education, Inc.; ISBN: 032890547X Credit(s): 1 Credit(s): 1 College Hour(s): NA Tier III HONORS SPANISH II AB Toll honors course is designed for ninth grade students who have completed two years of languages in middle school or highly motivated language learners. These students will expand and strengthen the linguistic skills learned during their first language course. Students will be expected to participate in daily aural and written activities and conduct classroom conversations to create an immersion-type experience. Students in this course are required to complete an approved Global Citizen project at the end of the year. Instructional Material; 1646 - Texas Auténtico II, Pearson Education, Inc.; ISBN: 032890547X Tier II Prerequisites: Spanish II AB DUAL CREDIT SPANISH II AB OA469 AB TOUAL CREDIT SPANISH II AB TOUAL CREDIT		
Tier I Tier I		` '
Mar's Next? TCC SPAN 1412 Course taught by an approved adjunct instructor. SPANISH II AB Expands oral and written skills into more challenging constructions, increased reading comprehension, and a variety of cultural experiences in the Spanish-speaking world. Offers practice in understanding and producing sentence-ength utterances and brief, connected texts using recombination's of learned material. Promotes recognition of the ole of culture and language components in communication Strategic Spanish I; taken in sequence What's Next? Honors Spanish III AB Tier III HONORS SPANISH II AB The honors course is designed for ninth grade students who have completed two years of languages in middle cholool or highly motivated language learners. These students will expand and strengthen the linguistic skills learned during their first language course. Students will be expected to participate in daily aural and written activities and conduct classroom conversations to create an immersion-type experience. Students in this course are required to complete an approved Global Citizen project at the end of the year. Strategic Spanish I; taken in sequence What's Next? Honors Spanish III AB OUAL CREDIT SPANISH II AB Tier II Prerequisites: Spanish I (SPAN 1412) TWU Course: Spanish 2 (SPN1342) Continued development of basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students will acquire the vocabulary and grammatical structures necessary to communicate and Gade level: 9 - 12 Coredit(s): 1 College Hour(s): NA Tier II Prerequisites: Spanish I (SPAN 1412) TWU Course: Spanish 2 (SPN1342) Continued development of basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students will acquire the vocabulary and grammatical structures necessary to communicate and		_
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DUAL CREDIT SPANISH II AB TCC Course: Beginning Spanish II (SPAN 1412) TWU Course: Spanish 2 (SPN1342) Continued development of basic Spanish language skills in listening, speaking, reading, and writing within a cultural ramework. Students will acquire the vocabulary and grammatical structures necessary to communicate and 4069 AB 4069 AB 03440200 Grade level: HS: 11-12		
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TWU Course: Spanish 2 (SPN1342) Continued development of basic Spanish language skills in listening, speaking, reading, and writing within a cultural orange work. Students will acquire the vocabulary and grammatical structures necessary to communicate and Grade level: HS: 11-12		4069 AB
Continued development of basic Spanish language skills in listening, speaking, reading, and writing within a cultural 03440200 ramework. Students will acquire the vocabulary and grammatical structures necessary to communicate and Grade level: HS: 11-12		
ramework. Students will acquire the vocabulary and grammatical structures necessary to communicate and Grade level: HS: 11-12		03.440200

	C 197) 1
Instructional Material: NA	Credit(s): 1
<u>FWISD & TCC Prerequisites:</u> SPAN-1411 <u>TWU Prerequisites:</u> SPN 1341; Only offered at Dunbar	College Hour(s): 4 hours Tier I
What's Next? TCC SPAN 2311	Her i
Course taught by an approved adjunct instructor.	
HONORS SPANISH III AB	4077 AB
Emphasizes creative self-expression in the spoken language. Expands aural comprehension to improve guessing	03440300
from context. Includes short passages of literature in the reading practice and some creative writing. Promotes	
increased knowledge of the Spanish culture and components of the language	
Instructional Material: 1647 - Texas Auténtico III, Pearson Education, Inc.; ISBN: 9780328905539	Grade level: 9 – 12
Prerequisites: Spanish II; novice-high proficiency in speaking; intermediate-low proficiency in listening, reading, and	Credit(s): 1
writing; student interest; taken in sequence	College Hour(s): NA
What's Next? Honors Spanish IV AB or AP Spanish Language AB	Tier II
DUAL CREDIT SPANISH III A	4078 A
TCC Course: Intermediate Spanish I (SPAN 2311)	
The consolidation of skills acquired at the introductory level. Further development of proficiency in listening,	03440300
speaking, reading and writing. Emphasis on comprehension, appreciation, and interpretation of the cultures of the	Grade level: HS: 11-12
Spanish-speaking world. Conversational practice based on selected readings and dialogues. Directed composition.	ECHS: 9-12
Class conducted largely in Spanish.	Credit(s): 0.5
Instructional Material: NA	College Hour(s): 3 hours
FWISD & TCC Prerequisites: SPAN-1412	Tier I
What's Next? SPAN 2312	
Course taught by an approved adjunct instructor. DUAL CREDIT SPANISH III B	4078 B
	4078 B 03440300
TCC Course: Intermediate Spanish II (SPAN 2312)	
Continuation of SPAN 2311	Grade level: HS: 11-12
Instructional Material NA	ECHS: 9-12
Instructional Material: NA FWISD & TCC Prerequisites: SPAN-2311	Credit(s): 0.5 College Hour(s): 3 hours
Course taught by an approved adjunct instructor.	Tier I
HONORS SPANISH IV ABH	4326 AB
Affords an opportunity for students to participate fully in connected discourse; to communicate successfully in	03440400
problematic situations; to explain, narrate, and describe in present, past, and future time; to analyze and interpret	03440400
literary texts; and to write original compositions on a variety of topics. Fosters accuracy of expression and cultural	Grade level: 9 – 12
behavior and the use of French for future careers and personal enrichment	Credit(s): 1
Instructional Material: 1650 – Triángulo Aprobado IV, Wayside Publishing, Inc.; ISBN: 9781938026621	College Hour(s): NA
Prerequisites: Honors Spanish III, taken in sequence	Tier II
What's Next? AP Spanish Language AB	
Course taught by locally certified gifted teacher.	
AP SPANISH LANGUAGE AND CULTURE AB	4081 AB
AP Spanish Language and Culture covers material corresponding to an intermediate-level college course in Spanish.	A3440100
Students cultivate their understanding of Spanish language and culture by applying the interpersonal, interpretive,	
and presentational modes of communication in real-life situations as they explore concepts related to family and	Consider Levels O. 12
community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and	Grade level: 9 – 12
global challenges. Instructional Material: 1650 – Triángulo Aprobado IV, Wayside Publishing, Inc.; ISBN: 9781938026621	Credit(s): 1
Prerequisites: SSSPAN III & IV or Honors Spanish III; taken in sequence	College Hour(s): NA
What's Next? AP Spanish Literature V AB	Tier I
Course taught by an AP trained teacher	
HONORS SPANISH V ABH	4328 AB
Affords an opportunity for students to carry on connected discourse in straightforward situations, to produce oral	03440500
presentations and written reports on a variety of topics, and to interpret texts from various genres and subject areas.	
Fosters cultural and linguistic accuracy in communication	Grade level: 9 – 12
Instructional Material: 1651 – Azulejos V, Wayside Publishing, Inc.; ISBN: 9781942400301	Credit(s): 1
Prerequisites: Spanish IV	College Hour(s): NA
What's Next? NA	Tier II
Course taught by locally certified gifted teacher.	
AP SPANISH LITERATURE AND CULTURE AB	4083 AB
AP Spanish Literature is equivalent to a college level introductory survey course of literature written in Spanish.	A3440200
	A3440200
Students continue to develop their interpretive, interpersonal, and presentational skills in Spanish language as well	A3440200
as critical reading and analytical writing as they explore short stories, novels, plays, essays, and poetry from Spain,	
as critical reading and analytical writing as they explore short stories, novels, plays, essays, and poetry from Spain, Latin America, and U.S. Hispanic authors along with other on-required texts.	Grade level: 9 – 12
as critical reading and analytical writing as they explore short stories, novels, plays, essays, and poetry from Spain,	

What's Next? Honors Spanish VI	Course taught by an AP trained teacher	Tier I
HONORS SPANISH VI AB		4085 AB
	participate fully in connected discourse; to communicate successfully in	03440600
	rate, and describe in present, past, and future time; to analyze and interpret	
	npositions on a variety of topics. Fosters accuracy of expression and cultural	Grade level: 9 – 12
•	uture careers and personal enrichment	Credit(s): 1
<u>Prerequisites:</u> AP Spanish course	ed instructional material(s)/Contact Content Director	College Hour(s): NA Tier I
What's Next? Honors Spanish VII		Heri
Course taught by locally certified gifted	d teacher.	
	SINESS, LEGAL AND MEDICAL PERSONNEL VI AB	4089 AB
	velop essential vocabulary and language skills in Spanish needed to work in a	03440600
	o familiarize students with basic processes and procedures involved in these	
fields. State elective credit	·	Grade level: 11 - 12
	ed instructional material(s)/Contact Content Director	Credit(s): 1
	of AP Spanish IV AB or Spanish for Native Speakers III – IV	College Hour(s): NA
	nd Culture, if not previously taken or Honors Spanish VII	Tier I
	Spanish certified, with some work experience in one or more of the fields	
preferred. Course taught by locally cert		4070A (CDANICH LAP)
SPANISH LEVEL I & II (FOR SPA	NISH SPEAKERS)	4079A (SPANISH I AB) 4079B (SPANISH IIAB)
Compacts the content of Level Land L	evel II Spanish, focusing on reading, writing, and higher-level thinking skills.	03440110 & 03440220
	led vocabulary. Includes the cultures of various Hispanic countries.	03-10110 Q 03-10220
	ster- Sendas Literarias, Pearson Education, Inc., ISBN: 9780131163553,	Grade level: 9 – 12
	ester- Sendas Literarias, Pearson Education, Inc., ISBN: 9780131163560	Credit(s): 1 – 2
	aking proficiency in Spanish and at least intermediate proficiency in	College Hour(s): NA
English; taken in sequence		Tier III
	r Spanish for Spanish Speakers III AB & IV AB	
HONORS SPANISH LEVEL II (FO	<u> </u>	4076 (SPANISH II AB)
	th grade students who have completed two years of languages in middle	03440220
	learners. These students will expand and strengthen the linguistic skills learned	
	udents will be expected to participate in daily aural and written activities and	C
conduct classroom conversations to c complete an approved Global Citizen p	reate an immersion-type experience. Students in this course are required to	Grade level: 9 – 12 Credit(s): 1
	o Paso, Pearson Education, Inc., ISBN: 9780133238006	College Hour(s): NA
	aking proficiency in Spanish and at least intermediate proficiency in English;	Tier II
taken in sequence	5 p - 1 - 9 - p - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
What's Next? Spanish for Spanish Spe	eakers III AB & IV AB	
SPANISH LEVEL III & IV (FOR SP	PANISH SPEAKERS)	4080A (SPANISH III AB)
		4080B (SPANISH IV AB)
Emphasizes creative self-expression in	n the written language. This compacted and rigorous curriculum expands	03440330 & 03440440
	om various literary genres and various Content areas. Provides extensive	
•	d written narratives and reports. Promotes understanding of cultural practices	Grade level: 9 – 12
	nish for future careers and personal enrichment	Credit(s): 1 - 2
	– Encuentros Maravilloso Gramática, Pearson Education, Inc., ISBN endo Paso, Pearson Education, Inc., ISBN: 9780133238006	College Hour(s): NA Tier II
	eakers IIAB or Honors Spanish for Spanish Speakers IIAB; taken in sequence	1161 11
	/ AB, AP Spanish Literature V AB, or Honors Spanish VI for Business, Legal &	
Medical Personnel		
SPANISH LEVEL I AB (FOR SPAN	NISH SPEAKERS)	4074 AB (SPANISH I AB)
	evel II Spanish, focusing on reading, writing, and higher-level thinking skills.	03440110
	ed vocabulary. Includes the cultures of various Hispanic countries.	
	ster- Sendas Literarias, Pearson Education, Inc., ISBN: 9780131163553,	Grade level: 9 – 12
	ster- Sendas Literarias, Pearson Education, Inc., ISBN: 9780131163560	Credit(s): 1
· · · · · · · · · · · · · · · · · · ·	aking proficiency in Spanish and at least intermediate proficiency in English	College Hour(s): NA Tier III
taken in sequence What's Next? Honors Spanish for Span	nish Sneakers II	1161 111
Offered only at WLI	mon speakers ii	
HONORS SPANISH LEVEL II AB	(FOR SPANISH SPEAKERS)	4076 AB (SPANISH II AB)
	th grade students who have completed two years of languages in middle	03440220
	learners. These students will expand and strengthen the linguistic skills learned	
	udents will be expected to participate in daily aural and written activities and	Grade level: 9 – 12
	reate an immersion-type experience. Students in this course are required to	Credit(s): 1
computate an annual ad Clabal Citizan in	project at the end of the year	College Hour(s): NA
complete an approved Global Citizen p	or officer are the end of the year.	conege riodr(s). 1471

Instructional Material: 1654 - Abriendo Paso, Pearson Education, Inc., ISBN: 9780133238006	Tier II
Prerequisites: Spanish for Spanish Speakers I; taken in sequence	
What's Next? Spanish for Spanish Speakers III	
Offered only at WLI	
HONORS SPANISH LEVEL III AB (FOR SPANISH SPEAKERS)	4075 AB (SPANISH III AB)
Emphasizes creative self-expression in the written language. This compacted and rigorous curriculum expands	03440330
reading and interpretation of texts from various literary genres and various Content areas. Provides extensive	
practice in the presentation of oral and written narratives and reports. Promotes understanding of cultural practices	Grade level: 9 – 12
and products, and fosters use of Spanish for future careers and personal enrichment.	Credit(s): 1
Instructional Material: 1655- Primary – Encuentros Maravilloso Gramática, Pearson Education, Inc., ISBN:	College Hour(s): NA
9780133693744 and Secondary- Abriendo Paso, Pearson Education, Inc., ISBN: 9780133238006	Tier II
Prerequisites: Spanish for Spanish Speakers IIAB or Honors Spanish for Spanish Speakers IIAB; taken in sequence	
What's Next? AP Spanish Language IV AB, AP Spanish Literature V AB, or Honors Spanish VI for Business, Legal &	
Medical Personnel	
Offered only at WLI	

HEALTH / PHYSICAL EDUCATION GRADUATION REQUIREMENTS

ALL HS STUDENTS ARE REQUIRED to take ONE credit of Physical Education and 1/2 credit of Health Education

FOUNDATION PLANS

All Foundation Plans (22 & 26 credits) Require

Health Education (1/2 credit)

- Health (.5 credit)
- Principles of Health Science OR
- Honors Principles of Health Science (1 credit) part of Health Science program of study
- Dual Credit Health (Early College HS)

A Student who is unable to comply with all requirements of a physical education course because of a physical limitation (as certified by a licensed medical practitioner) is not prohibited from earning a diploma. Modifications will be provided as needed for students with special needs or disabilities.

Physical Education (1 credit)

- Lifetime Fitness and Wellness Pursuits (1 credit)
- Lifetime Recreation and Outdoor Pursuits (1 credit)
- Skill-Based Lifetime Activities (1 credit)
- Dual Credit PE (Early College HS) (1 credit)

PE Substitution Courses may be permitted in any of the following, earning up to one credit.

- Drill Team
- Marching Band
- Cheerleading
- JROTC

TEKS Based Courses that may be used to earn up to one PE credit.

- Show Choir II
- Principles of Dance II
- Technical Theatre II
- Musical Theatre II
- Colorguard

PE Substitution Courses may be permitted in any of the following, earning up to four credits.

- Athletics / UIL Athletics
- Approved private program (must be pre-approved by the Director of PE)

Health and Physical Education

The Texas Education Code, (TEC) 38.101, requires the District to test the physical fitness of students enrolled in grades 3-12 in any course that satisfies the curriculum requirements for physical education on an annual basis. This includes all courses that qualify as Physical Education substitutions. Additionally, TEC 38.103 requires the District to provide the results of individual student performance on the physical fitness assessment to the Texas Education Agency. The annual fitness assessment requirement is coordinated by the FWISD Department of Health and Physical Education.

HEALTH I	5001 T
Provides students with the knowledge and skills to develop and sustain health-promoting behaviors. Students will learn functional health information, analyze personal values and beliefs that support healthy behaviors, and develop essential health skills necessary to adopt, practice, and maintain health-enhancing behaviors. Instruction also addresses the identified health-risk behaviors contributing to the leading causes of death in the US; unintentional injuries and violence, sexual behaviors, alcohol and other drug use, tobacco use, unhealthy dietary behaviors, and inadequate physical activity.	03810100 Grade level: 9 - 10 HS Credit(s): 0.5
Instructional Material: HealthSmart, ETR	College Hour(s): N/A

Prerequisites: None

Health I is required of all students.

Tier III

HEALTH II	5003 T
This course will provide students opportunities for researching, discussing, and analyzing health issues. The	03810300
emphasis will be to provide students with the skills to access their own health information and services and become nealth literate. The work will be student-directed and project-based.	Grade level: 10 – 12 HS Credit(s): 0.5
Instructional Material: Contact Content Director Prerequisites: Health I Taught by Content-Director approved instructor.	College Hour(s): N/A Tier III
LIFETIME FITNESS AND WELLNESS PURSUITS A	5052 A
The Lifetime Fitness and Wellness Pursuits (LFWP) course offers current approaches for the foundation of personal fitness, physical literacy, lifetime wellness, and healthy living. Students in LFWP will apply the knowledge, skills, and value for demonstrating mastery of the concepts needed to achieve lifetime wellness. Course A during the Fall semester includes topics such as: physiological and biomechanical principles to improve health-related fitness; interval, HIIT, and functional fitness; various fitness-related activities to support lifelong participation and value for personal health-related fitness.	PES00051 Grade level: 9 - 12 HS Credit(s): 0.5 College Hour(s): N/A Tier III
Instructional Material: Human Kinetics	
Prerequisites: None LIFETIME FITNESS AND WELLNESS PURSUITS B	5052 B
The Lifetime Fitness and Wellness Pursuits (LFWP) course offers current approaches for the foundation of personal fitness, physical literacy, lifetime wellness, and healthy living. Students in LFWP will apply the knowledge, skills, and value for demonstrating mastery of the concepts needed to achieve lifetime wellness. Course B during the Spring semester includes topics such as: various group fitness activities to support social and emotional health; personal fitness and health practice planning; and appropriate training and recovery practices to physical activity participation safety.	PES00051 Grade level: 9 - 12 HS Credit(s): 0.5 College Hour(s): N/A Tier III
Instructional Material: Human Kinetics	
Prerequisites: None LIFETIME RECREATION AND OUTDOOR PURSUITS A	5053 A
The Lifetime Recreation and Outdoor Pursuits (LROP) course Part A, during the Fall semester, provides opportunities	PES00053
for students to develop competency in 3 or more lifetime recreational and outdoor pursuits to include: adventure activities, backpacking, camping, hiking, and navigation sporting activities. Additionally, students enrolled in LROP will participate in activities that promote physical literacy while developing appreciation and respect for nature and enjoyment in the outdoors.	Grade level: 9 - 12 HS Credit(s): 0.5 College Hour(s): N/A Tier III
Instructional Material: Contact Content Director	
Prerequisites: None LIFETIME RECREATION AND OUTDOOR PURSUITS B	5053 B
The Lifetime Recreation and Outdoor Pursuits (LROP) course Part B, during the Spring semester, provides	PES00053
opportunities for students to develop competency in 3 or more lifetime recreational and outdoor pursuits to include: water sports, angler education, archery, outdoor survival and safety, adventure activities, cycling, skating, and lawn games. Additionally, students enrolled in LROP will participate in activities that promote physical literacy while developing appreciation and respect for nature and enjoyment in the outdoors.	Grade level: 9 - 12 HS Credit(s): 0.5 College Hour(s): N/A Tier III
Instructional Material: Contact Content Director	
Prerequisites: None SKILL-BASED LIFETIME ACTIVITIES A	5057 A
The Skill-Based Lifetime Activities (SBLA) course Part A, during the Fall semester, offers students the opportunity to demonstrate mastery in basic sport skills, sport knowledge, and health and fitness principles through non-traditional team and individual sports. Students will experience activities that promote physical literacy and lifetime wellness while participating in in at least one activity from each of the following categories: target games; striking and fielding games; fitness activities; rhythmic fitness; and innovative/non-traditional games.	PES00056 Grade level: 9 - 12 HS Credit(s): 0.5 College Hour(s): NA Tier III
Instructional Material: Contact Content Director Prerequisites: None	
SKILL-BASED LIFETIME ACTIVITIES B	5057 B
The Skill-Based Lifetime Activities (SBLA) course Part B, during the Spring semester, offers students the opportunity to demonstrate mastery in basic sport skills, sport knowledge, and health and fitness principles through non-traditional team and individual sports. Students will experience activities that promote physical literacy and lifetime	PES00056 Grade level: 9 - 12 HS Credit(s): 0.5
	College Hour(s): N/A Tier III
and fielding games; fitness activities; rhythmic fitness; and innovative/non-traditional games. Instructional Material: Contact Content Director	-
and fielding games; fitness activities; rhythmic fitness; and innovative/non-traditional games. Instructional Material: Contact Content Director Prerequisites: None	Tier III
wellness while participating in in at least one activity from each of the following categories: target games; striking and fielding games; fitness activities; rhythmic fitness; and innovative/non-traditional games. Instructional Material: Contact Content Director Prerequisites: None CARE AND PREVENTION OF SPORTS-RELATED INJURIES T Students in this course are expected to gain knowledge of sports training procedures.	-

trends related to understanding personal and/or community health issues. This course also focuses on empowering gravious populations with the ability to practice healthy living, promote healthy lifestyles, and enhance individual evell-being. Instructional Material: NA TWINDSD Prerequisites: Taken in sequence TCC Prerequisites: None Course taught by an approved adjunct instructor. DUAL CREDIT LIFETIME FITNESS AND WELLNESS PURSUITS T CCC Course: Introduction to Physical Fitness and Wellness (KINE 1164) PETHIS course will provide an overview of the lifestyle necessary for fitness and health. Students will participate in Strain Students will be introduced to proper nutrition, weight in an agement, cardiovascular health, flexibility, and strength training. Includes: 1. Scientific information concerning values and preventive medical benefits of exercise. 2. Individual (personal) evaluations and experiments to determine present health fitness status. 3. Development of a personal exercise program based on student's needs. Structional Material: NA WISD & TCC Prerequisites, None Course taught by and approved adjunct instructor. DUAL CREDIT LIFETIME FITNESS AND WELLNESS PURSUITS T CC Course: Aerobic Fitness — Beginning (KINE 1102) PETHION OF THE FITNESS AND WELLNESS PURSUITS T CC Course: Aerobic Fitness — Beginning (KINE 1102) PETHIS OF THE FITNESS AND WELLNESS PURSUITS T CC Course: Swimming — Beginning (KINE 1102) PETHIS OF THE FITNESS AND WELLNESS PURSUITS T CC Course: Swimming — Beginning (KINE 1102) PETHIS OF THE FITNESS AND WELLNESS PURSUITS T CC Course: Swimming — Beginning (KINE 1102) PETHIS OF THE FITNESS AND WELLNESS PURSUITS T CC Course: Swimming — Beginning (KINE 1102) PETHIS OF THE FITNESS AND WELLNESS PURSUITS T CC Course: Gradinal Material; NA WISD & TCC Prerequisites; None Course taught by an approved adjunct instructor. THE CC Course: Gradinal Material; NA WISD & TCC Prerequisites; None Course taught by an approved adjunct instructor. The CC Course: Golf — Beginning (KINE 1	5002 T
trends related to understanding personal and/or community health issues. This course also focuses on empowering graviarious populations with the ability to practice healthy living, promote healthy lifestyles, and enhance individual well-being. Trimus prerequisites: Taken in sequence TCC Prerequisites: Taken in sequence TCC Prerequisites: To some Course taught by an approved adjunct instructor. DUAL CREDIT LIFETIME FITNESS AND WELLNESS PURSUITS T CCC Course: Introduction to Physical Fitness and Wellness (KINE 1164) PE This course will provide an overview of the lifestyle necessary for fitness and health. Students will participate in strain of the proper nutrition, weight in the proper proper nutrition, weight in the proper proper nutrition, weight in the proper nutrition, weight in the proper nutrition of the proper nutrition, weight in the proper nutrition of the proper nutrition, weight in the proper nutrition, weight in the proper nutrition of the proper nutrition, weight in the proper nutrition of the proper nutrition, weight in the proper nutrition, and the proper nutrition, weight in the proper nutrition, and nutrition, weight in the proper nutrition, weight in the proper nutrition, weight in the proper nutrition, and proper nutrition, and proper nutrition, and proper nutrition, a	22242422
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nanagement, cardiovascular health, flexibility, and strength training. Includes: 1. Scientific information concerning values and preventive medical benefits of exercise. 2. Individual (personal) evaluations and experiments to determine present health fitness status. 3. Development of a personal exercise program based on student's needs. Instructional Material: NA WISD & TCC Prerequisites; None Course taught by and approved adjunct instructor. DUAL CREDIT LIFETIME FITNESS AND WELLNESS PURSUITS T COC Course: Aerobic Fitness – Beginning (KINE 1102) PE PROGRAM MISD Persequisites; None Course taught by and approved adjunct instructor. DUAL CREDIT LIFETIME FITNESS AND WELLNESS PURSUITS T FIGURE OF Prerequisites; None Course taught by and approved adjunct instructor. DUAL CREDIT LIFETIME FITNESS AND WELLNESS PURSUITS T TICC Course: Swimming – Beginning (KINE 1122) PROGRAM MISD Persequisites; None Course taught by and approved adjunct instructor. DUAL CREDIT LIFETIME FITNESS AND WELLNESS PURSUITS T TICC Course: Swimming – Beginning (KINE 1122) PROGRAM MISD & TCC Prerequisites; None Course taught by an approved adjunct instructor. Tice DUAL CREDIT LIFETIME RECREATION AND OUTDOOR PURSUITS T TICC Course: Recreational Sports – Beginning (KINE 1116) PROUBLE CREDIT LIFETIME RECREATION AND OUTDOOR PURSUITS T TICC Course: Recreational Sports – Beginning (KINE 1116) PROGRAM MISD & TCC Prerequisites; None Course taught by an approved adjunct instructor. TICC Course: Golf – Beginning (KINE 1111) PROGRAM MISD & TCC Prerequisites; None Course taught by an approved adjunct instructor. TICC Course: Golf – Beginning (KINE 1111) PROGRAM MISD & TCC Prerequisites; None Course taught by an approved adjunct instructor. TICC Course: Golf – Beginning (KINE 1111) PROGRAM MISD & TCC Prerequisites; None Course taught by an approved adjunct instructor. TICC Course: Sould MISD A approved adjunct instructor. TICC Course: Yoga – Beginning (KINE 1114) PROGRAM MISD & TCC Prerequisites; None Course taught by an	IS Credit(s): 1.0
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PECC Course: Golf – Beginning (KINE 1111) Develops and improves individual skills, and the understanding of the rules of golf. (Course is coeducational) Grantructional Material: NA EWISD & TCC Prerequisites: None Course taught by an approved adjunct instructor. DUAL CREDIT LIFETIME FITNESS AND WELLNESS PURSUITS T CCC Course: Yoga – Beginning (KINE 1134) PECC Course: Yoga – Beginning (KINE 1134) PECC Course flexibility, muscular endurance/strength and mental well-being. (Course is coeducational) Grantructional Material: NA EWISD & TCC Prerequisites: None Course taught by an approved adjunct instructor. COURSE Taught by an approved adjunct instructor. Tier CCC Course: Bowling – Beginning (KINE 1104)	043 T
Develops and improves individual skills, and the understanding of the rules of golf. (Course is coeducational) Onstructional Material: NA OUAL CREDIT LIFETIME FITNESS AND WELLNESS PURSUITS T OUAL CREDIT LIFETIME reduced and mental well-being. (Course is coeducational) OUAL CREDIT LIFETIME RECREATION AND OUTDOOR PURSUITS T OUAL CREDIT LIFETIME RECREATION AND OUTDOOR PURSUITS T OUAL CREDIT LIFETIME RECREATION (KINE 1104)	PES00053
Instructional Material: NA WISD & TCC Prerequisites: None Course taught by an approved adjunct instructor. DUAL CREDIT LIFETIME FITNESS AND WELLNESS PURSUITS T FICC Course: Yoga – Beginning (KINE 1134) Improves flexibility, muscular endurance/strength and mental well-being. (Course is coeducational) Instructional Material: NA WISD & TCC Prerequisites: None Course taught by an approved adjunct instructor. Tien COUAL CREDIT LIFETIME RECREATION AND OUTDOOR PURSUITS T FICC Course: Bowling – Beginning (KINE 1104)	Grade level: 9 - 12
Course taught by an approved adjunct instructor. COURSE TOUAL CREDIT LIFETIME FITNESS AND WELLNESS PURSUITS T CCC Course: Yoga – Beginning (KINE 1134) Improves flexibility, muscular endurance/strength and mental well-being. (Course is coeducational) Instructional Material: NA INVISIO & TCC Prerequisites: None Course taught by an approved adjunct instructor. COURSE TOUAL CREDIT LIFETIME RECREATION AND OUTDOOR PURSUITS T CCC Course: Bowling – Beginning (KINE 1104)	IS Credit(s): 0.5
Course taught by an approved adjunct instructor. DUAL CREDIT LIFETIME FITNESS AND WELLNESS PURSUITS T CC Course: Yoga – Beginning (KINE 1134) PE PE PE PE PE PE PE PE	College Hour(s): 1 hour
DUAL CREDIT LIFETIME FITNESS AND WELLNESS PURSUITS T TCC Course: Yoga – Beginning (KINE 1134) mproves flexibility, muscular endurance/strength and mental well-being. (Course is coeducational) mstructional Material: NA WISD & TCC Prerequisites: None Course taught by an approved adjunct instructor. Tien DUAL CREDIT LIFETIME RECREATION AND OUTDOOR PURSUITS T TCC Course: Bowling – Beginning (KINE 1104)	ier I
rCC Course: Yoga – Beginning (KINE 1134) Improves flexibility, muscular endurance/strength and mental well-being. (Course is coeducational) Instructional Material: NA INSID & TCC Prerequisites: None Course taught by an approved adjunct instructor. Tien CC Course: Bowling – Beginning (KINE 1104) PE	044 T
mproves flexibility, muscular endurance/strength and mental well-being. (Course is coeducational) Material: NA WISD & TCC Prerequisites: None Course taught by an approved adjunct instructor. DUAL CREDIT LIFETIME RECREATION AND OUTDOOR PURSUITS T CCC Course: Bowling – Beginning (KINE 1104) Graduation of the provided HE of the pro	PES00051
nstructional Material: NA WISD & TCC Prerequisites: None Course taught by an approved adjunct instructor. Tie CC Course: Bowling – Beginning (KINE 1104) HS Course taught by an approved adjunct instructor. Tie CC Course: Bowling – Beginning (KINE 1104)	Grade level: 9 - 12
Course taught by an approved adjunct instructor. COURSE TRUE TO SUBJECT TO S	
Course taught by an approved adjunct instructor. DUAL CREDIT LIFETIME RECREATION AND OUTDOOR PURSUITS T CC Course: Bowling – Beginning (KINE 1104) Tion South Pursuit State Fig. 1. Fig. 2. Fig. 2.	IS Credit(s): 0.5
DUAL CREDIT LIFETIME RECREATION AND OUTDOOR PURSUITS T 50 TCC Course: Bowling – Beginning (KINE 1104) PE	College Hour(s): 1 hour
CC Course: Bowling – Beginning (KINE 1104)	072 T
	PES00053
lovelong the back civile necessary to enjoy the litetime exect at beguling (Carrer in a sectional)	
	Grade level: 9 - 12
	IS Credit(s): 0.5
·	College Hour(s): 1 hour

DUAL CREDIT LIFETIME FITNESS AND WELLNESS PURSUITS T	5074 T
TCC Course: Kickboxing – Beginning (KINE 1113)	PES00051
Improves cardiovascular fitness, muscular endurance/strength, flexibility, and body composition. (Course is	Grade level: 9 – 12
coeducational)	HS Credit(s): 0.5
Instructional Material: NA	College Hour(s): 1 hour
FWISD & TCC Prerequisites: None	Tier I
Course taught by an approved adjunct instructor.	
DUAL CREDIT LIFETIME RECREATION AND OUTDOOR PURSUITS	5059 T
TCC Course: Recreational Sports - Beginning (KINE 1116)	PES00053
Instruction and participation in physical and recreational activities. Develops and improves basic skills, strategies,	Grade level: 9 – 12
and rules of various recreational sports. (Course is coeducational)	HS Credit(s): 0.5
Instructional Material: NA	College Hour(s): 1 hour
FWISD & TCC Prerequisites: None	Tier I
Course taught by an approved adjunct instructor.	

Fort Worth ISD Athletics State Elective or Local Credit Option

The State of Texas requires one year of physical education (PE) for graduation and allows up to four years/four credits of Physical Education/Athletics to count as state graduation credits. When an Athletics course is selected by the student, the student needs to be aware of the various options he/she has in how the credit will be used.

When selecting courses, pay close attention to the course numbers selected. For the same named course, one set of course numbers are used to count the course as a <u>state credit</u> and another set of course numbers is used to have the course count as a <u>local credit</u>.

Understanding the Results of the Options Selected:

- 1) The first year taking an athletic course will automatically count as a PE substitution unless the student has already satisfied or is currently taking another course that will count as a full credit PE substitution; such as JROTC, Drill Team, Cheerleading, or a Marching Band course coded as a PE substitution or a District-approved off-campus activity substitution.
- 2) When the one credit is already satisfied or the student is also currently scheduled/taking a qualified PE substitution course, the student has the option of choosing how he/she wants the additional athletic course to count. The student is to select the desired option at the time of creating the course schedule.
 - Option 1 Athletic Course State Credit Option: Athletics courses taken beyond the one course required for the PE substitution will count toward the number of course electives needed for graduation (up to 3 athletics elective credits may be used toward graduation and will be calculated into the student's GPA).
 - Option 2 Athletic Course Local Credit Option: When students are either scheduled for/or have completed taking a PE course/PE substitution, any athletics course beyond the requirement may be taken for local credit. The local credit course will not count toward the number of elective credits needed for graduation, and the grades earned as a local credit will not be calculated into the student's GPA. Students/Parents must sign a FWISD Athletics State Elective – Local Credit Option form one time to have the student's athletic courses count as local credits. See the school counselor for this form.

As students develop their high school schedules, they need to be aware of the manner in which:

- athletic courses,
- physical education courses, and
- physical education substitution courses will:
 - (1) be credited toward their graduation requirements and
 - (2) impact Grade Point Average.

Physical Education Substitutions

The substitution activities for <u>athletics</u> and <u>private</u> or <u>commercially-sponsored</u> <u>physical</u> <u>activity</u> <u>programs</u> <u>may</u> <u>be</u> <u>awarded</u> <u>up</u> <u>to</u> <u>four</u> <u>PE</u> <u>credits</u> <u>toward</u> <u>graduation</u>, one for the required physical education credit and three additional PE credits as state elective credits.

ATHLETICS

NOTE: State law requires that any student who is taking a PE course, or class that substitutes for PE, participate in annual fitness testing.

Course Codes	PEIMS #	NO.	COURSE TITLE	SHORT TITLE
PE Substitution Athletics 1	PES00000	5401A	Competitive Athletics IA	ATHLETIC1A
(SUBATH1) (1/2 -1 Credit)	PE30000	5401B	Competitive Athletics IB	ATHLETIC1B
PE Substitution Athletics 2	PES00001	5403A	Competitive Athletics IIA	ATHLETIC2A
(SUBATH2) (1/2 -1 Credit)	PE300001	5403B	Competitive Athletics IIB	ATHLETIC2B
PE Substitution Athletics 3	PES00002	5405A	Competitive Athletics IIIA	ATHLETIC3A
(SUBATH3) (1/2 -1 Credit)	PE300002	5405B	Competitive Athletics IIIB	ATHLETIC3B
PE Substitution Athletics 4	PES00003	5407A	Competitive Athletics IVA	ATHLETIC4A
(SUBATH4) (1/2 -1 Credit)	PE300003	5407B	Competitive Athletics IVB	ATHLETIC4B

Prerequisite: Student is required approval from head coach for placement into a specific sport course. In addition, student is required to complete the UIL Pre-Participation Evaluation — Medical History form and the UIL Pre-Participation Evaluation-Physical Examination form before participation in any practice before, during, or after school. Fort Worth ISD requires the completion of seven (7) Fort Worth ISD/UIL Pre-Participation forms before participating in athletic class. Forms must be complete before the tenth day of the new school year.

Grade Placement: 9 - 12

Credit: .5 - 4

Provides instruction and practice for members of competitive athletics teams. Athletics may be awarded up to four credits toward graduation, one for the required physical education credit and three additional credits as state electives.

ATHLETIC SPORTS FOR STATE GRADUATION CREDIT

Student enrolling in the following athletic sports will receive state graduation credit which will be credited in the following way: one for PE substitution and three for elective credits, up to a total of four graduation credits. All of these courses will count in the calculation of the student's grade point average (GPA) as a Tier III course. These courses will also count as credit toward graduation requirements. Students may not change their schedules after the 10th day class period ends without a penalty.

FWISD NO.	TEAM SPORT	FWISD NO.	TEAM SPORT
BBK12	Boys Basketball 1AB	GBK12	Girls Basketball 1AB
ВВК22	Boys Basketball 2AB	GBK22	Girls Basketball 2AB
ВВК32	Boys Basketball 3AB	GBK32	Girls Basketball 3AB
ВВК42	Boys Basketball 4AB	GBK42	Girls Basketball 4AB
FWISD NO.	TEAM SPORT	FWISD NO.	TEAM SPORT
BSC12	Boys Soccer 1AB	GSC12	Girls Soccer 1AB
BSC22	Boys Soccer 2AB	GSC22	Girls Soccer 2AB
BSC32	Boys Soccer 3AB	GSC32	Girls Soccer 3AB
BSC42	Boys Soccer 4AB	GSC42	Girls Soccer 4AB

FWISD NO.	TEAM SPORT	FWISD NO.	TEAM SPORT
BTS12	Boys Tennis 1AB	GTS12	Girls Tennis 1AB
BTS22	Boys Tennis 2AB	GTS22	Girls Tennis 2AB
BTS32	Boys Tennis 3AB	GTS32	Girls Tennis 3AB
BTS42	Boys Tennis 4AB	GTS42	Girls Tennis 4AB
FWISD NO.	TEAM SPORT	FWISD NO.	TEAM SPORT
BTK12	Boys Track 1AB	GTK12	Girls Track 1AB
BTK22	Boys Track 2AB	GTK22	Girls Track 2AB
ВТК32	Boys Track 3AB	GTK32	Girls Track 3AB
BTK42	Boys Track 4AB	GTK42	Girls Track 4AB
FWISD NO.	TEAM SPORT	FWISD NO.	TEAM SPORT
BW12	Boys Wrestling IA	GW12	Girls Wrestling IA
BW22	Boys Wrestling IB	GW22	Girls Wrestling IB
BW32	Boys Wrestling IIA	GW32	Girls Wrestling IIA
BW42	Boys Wrestling IIB	GW42	Girls Wrestling IIB
FWISD NO.	TEAM SPORT	FWISD NO.	TEAM SPORT
BB12	Baseball 1AB	CC12	Cross Country 1AB
BB22	Baseball 2AB	CC22	Cross Country 2AB
BB32	Baseball 3AB	CC32	Cross Country 3AB
BB42	Baseball 4AB	CC42	Cross Country 4AB
FWISD NO.	TEAM SPORT	FWISD NO.	TEAM SPORT
FB12	Football 1AB	GF12	Golf 1AB
FB22	Football 2AB	GF22	Golf 2AB
FB32	Football 3AB	GF32	Golf 3AB
FB42	Football 4AB	GF42	Golf 4AB
FWISD NO.	TEAM SPORT	FWISD NO.	TEAM SPORT
SB12	Softball 1AB	SM12	Swimming 1AB
SB22	Softball 2AB	SM22	Swimming 2AB
SB32	Softball 3AB	SM32	Swimming 3AB
SB42	Softball 4AB	SM42	Swimming 4AB
FWISD NO.	TEAM SPORT		
VB12	Volleyball 1AB		
VB22	Volleyball 2AB		
VB32	Volleyball 3AB		
VB42	Volleyball 4AB		

ATHLETICS FOR LOCAL CREDIT

Before a student may qualify to enroll in any athletics course for local credit, he/she must have completed the required PE credit or the PE substitution credit, or also be enrolled in such a qualifying course. <u>Parental approval is required</u> using the FWISD Athletics State Elective – Local Credit Option form for any student to opt out of an athletics state elective credit course to take an athletics course for local credit only. Students may not change their schedules after the 10-day class period ends without a penalty.

The following athletics course numbers are to be used when an athletic course is being used as a LOCAL only credit course. As a local credit, these courses will not count toward graduation and they will not count in the calculation of the student's grade point average (GPA).

Course Coding	PEIMS #	Course Titles
Local Course Athletics 1 (LCATH1) (1/2 -1 Credit)	84200027	5399A— Local Course Competitive Athletics IA (LC ATHLETICS 1A) 5399B— Local Course Competitive Athletics IB (LC ATHLETICS 1B)
Local Course Athletics 2 (LCATH2) (1/2 -1 Credit)	84200028	5402A— Local Course Competitive Athletics IIA (LC ATHLETICS 2A) 5402B— Local Course Competitive Athletics IIB (LC ATHLETICS 2B)
Local Course Athletics 3 (LCATH3) (1/2 -1 Credit)	84200029	5404A— Local Course Competitive Athletics IIIA (LC ATHLETICS 3A) 5404B— Local Course Competitive Athletics IIIB (LC ATHLETICS 3B)
Local Course Athletics 4 (LCATH4) (1/2 -1 Credit)	84200030	5406A— Local Course Competitive Athletics IVA (LC ATHLETICS 4A) 5406B— Local Course Competitive Athletics IVB (LC ATHLETICS 4B)

Athletic Sports for Local Credit

<u>Prerequisite</u>: Student is required approval from head coach for placement into a specific sport course. In addition, student is required to complete the UIL Pre-Participation Evaluation — Medical History form and the UIL Pre-Participation Evaluation-Physical Examination form before participation in any practice before, during, or after school. Fort Worth ISD requires the completion of seven (7) Fort Worth ISD/UIL Pre-Participation forms before participating in athletic class. Forms must be complete before the tenth day of the new school year.

Grade Placement: 9 - 12

Credit: .5 - 4

Provides instruction and practice for members of competitive athletics teams.

The following athletic course section has been created for students who do not want the athletic courses beyond the required PE course or PE substitution to count in their grade point average (GPA) calculations.

Athletic Sports Course Numbers for Local Credit Only

Students enrolling in the following athletic sports courses that are identified with an L at the end of the FWISD number will receive local credit only for each course. These courses will NOT count in the calculation of the student's grade point average (GPA). These local course credits will NOT count toward graduation credit and will not count for the PE substitution requirement for graduation.

FWISD NO.	TEAM SPORT	FWISD NO.	TEAM SPORT
BBK12L	Boys Basketball 1AB	GBK12L	Girls Basketball 1AB
BBK22L	Boys Basketball 2AB	GBK22L	Girls Basketball 2AB
BBK32L	Boys Basketball 3AB	GBK32L	Girls Basketball 3AB
BBK42L	Boys Basketball 4AB	GBK42L	Girls Basketball 4AB
FWISD NO.	TEAM SPORT	FWISD NO.	TEAM SPORT
BSC12L	Boys Soccer 1AB	GSC12L	Girls Soccer 1AB
BSC22L	Boys Soccer 2AB	GSC22L	Girls Soccer 2AB
BSC32L	Boys Soccer 3AB	GSC32L	Girls Soccer 3AB

BSC42L	Boys Soccer 4AB	GSC42L	Girls Soccer 4AB
FWISD NO.	TEAM SPORT	FWISD NO.	TEAM SPORT
BTS12L	Boys Tennis 1AB	GTS12L	Girls Tennis 1AB
BTS22L	Boys Tennis 2AB	GTS22L	Girls Tennis 2AB
BTS32L	Boys Tennis 3AB	GTS32L	Girls Tennis 3AB
BTS42L	Boys Tennis 4AB	GTS42L	Girls Tennis 4AB
FWISD NO.	TEAM SPORT	FWISD NO.	TEAM SPORT
BTK12L	Boys Track 1AB	GTK12L	Girls Track 1AB
BTK22L	Boys Track 2AB	GTK22L	Girls Track 2AB
BTK32L	Boys Track 3AB	GTK32L	Girls Track 3AB
BTK42L	Boys Track 4AB	GTK42L	Girls Track 4AB
FWISD NO.	TEAM SPORT	FWISD NO.	TEAM SPORT
BW12L	Boys Wrestling IA	GW12L	Girls Wrestling IA
BW22L	Boys Wrestling IB	GW22L	Girls Wrestling IB
BW32L	Boys Wrestling IIA	GW32L	Girls Wrestling IIA
BW42L	Boys Wrestling IIB	GW42L	Girls Wrestling IIB
FWISD NO.	TEAM SPORT	FWISD NO.	TEAM SPORT
BB12L	Baseball 1AB	CC12L	Cross Country 1AB
BB22L	Baseball 2AB	CC22L	Cross Country 2AB
BB32L	Baseball 3AB	CC32L	Cross Country 3AB
BB42L	Baseball 4AB	CC42L	Cross Country 4AB
FWISD NO.	TEAM SPORT	FWISD NO.	TEAM SPORT
FB12L	Football 1AB	GF12L	Golf 1AB
FB22L	Football 2AB	GF22L	Golf 2AB
FB32L	Football 3AB	GF32L	Golf 3AB
FB42L	Football 4AB	GF42L	Golf 4AB
FWISD NO.	TEAM SPORT	FWISD NO.	TEAM SPORT
SB12L	Softball 1AB	SM12L	Swimming 1AB
SB22L	Softball 2AB	SM22L	Swimming 2AB
SB32L	Softball 3AB	SM32L	Swimming 3AB
SB42L	Softball 4AB	SM42L	Swimming 4AB
FWISD NO.	TEAM SPORT		
VB12L	Volleyball 1AB		
VB22L	Volleyball 2AB		
VB32L	Volleyball 3AB		
VB42L	Volleyball 4AB		

Physical Education Substitution Activities

The following substitution activities of <u>drill team, cheerleading, marching band, and JROTC may be awarded one PE substitution credit toward graduation</u> that may satisfy the physical education credit requirement.

See substitution charts on the following pages.

MARCHING BAND SUBSTITUTION

NOTE: State law requires that any student who is taking a PE course, or class that substitutes for PE, participate in annual fitness testing.

The following PE substitution codes are available.	PE Substitution Marching Band (SUBMB)
1372A PE Substitution Marching Band Activity (SUBMB1)	PEIMS #PES00012 provides ½ credit per
1276A DE Cubatitution Mousking Bond (CUBMP2)	semester, up to a total of 1 credit.
1376A PE Substitution Marching Band (SUBMB2)	Fall semesters only

Marching Band may be substituted for $\frac{1}{2}$ credit to 1 credit of physical education. PE substitutions for these courses will not receive a weighted course grade. Only the FINE ARTS Honors Marching Band course numbers/PEIMS numbers will qualify for weighted course grade.

NOTE: State law requires that any student who is taking a PE course, or class that substitutes for PE, participate in annual fitness testing.

Course Code	es	LOCAL CF	REDIT ONLY COURSES	
The ½ - 1 D	rill Team credit to count as a PE	All of the	Drill Team course num	bers provided directly
substitution	is to be coded as follows:	below are	e to be used for Drill Te	am credits that go beyon
		the total	of the 1 credit allowed	for as a PE Drill Team
Course #	Title	substituti	on. The following Drill	Team courses are LOCAL
5389A/B	PE Substitution Drill Team (SUBDT) PEIMS # PES00014	credit and point ave any Drill complete	rage. Before a student Team Local Credit Cour	ed in a student's grade may qualify to enroll in ses, he/she must have t or PE substitution credit
The above Pl	E substitution Drill Team (SUBDT) course WILL	5391A	Drill Team IA	DRILLT1A
count as a s	tate graduation credit and WILL be calculated	5392B	Drill Team IB	DRILLT1B
into the stu	dent's grade point average as a 4.0 course.	5393A	Drill Team IIA	DRILLT2A
Both fall and	spring semesters of Drill Team may now	5394B	Drill Team IIB	DRILLT2B
•	PE credit, provided students engage in 100	5395A	Drill Team IIIA	DRILLT3A
	moderate to vigorous activity" per five –day school	5396B	Drill Team IIIB	DRILLT3B
week.		5397A	Drill Team IVA	DRILLT4A
		5398B	Drill Team IVB	DRILLT4B

Grade Placement: 9 - 12

Credit: .5 - 1 (PE substitution credit, additional credits count only as local credit.)

Includes training to enable members of the drill team to perform at football games, basketball games, and other school functions. One credit for PE substitution will be available. All Drill Team classes after the one credit PE substitution will only count as a local credit.

CHEERLEADING SUBSTITUTION

NOTE: State law requires that any student who is taking a PE course, or class that substitutes for PE, participate in annual fitness testing.

Course Cod	les	Course Titles		
The ½ - 1 Team Cheerleading credit to count as a PE substitution is to be coded as follows:		All of the Team Cheerleading course numbers provided directly below are to be used for Team Cheerleading credits that go beyond the total of the 1 credit allowed as a PE Team Cheerleading substitution. The following Team Cheerleading courses are LOCAL CREDIT ONLY and WILL NOT count toward graduation credit and WILL NOT		
Course # Title				
5433A/B	PE Substitution Cheerleading	be calcul a studen	ated in a student's grad	le point average. Before n any Team Cheerleading
	(SUBCHLDG)	required PE credit or PE substitution credit or be enro		tion credit or be enrolled
	PEIMS # PES00013	in such a	qualifying course.	
	PE substitution Team Cheerleading (SUBCHLDG) L count as a state graduation credit and WILL	5435A	Cheerleading IA	CHEERLEA1A
be calculat	red into the student's grade point average as a	5436B	Cheerleading IB	CHEERLEA1B
	Both fall and spring semesters of Team ng may now substitute for PE credit, provided	5437A	Cheerleading IIA	CHEERLEA2A
_	students engage in 100 minutes of "moderate to vigorous activity" per five –day school week.		Cheerleading IIB	CHEERLEA2B
	, ,	5439A	Cheerleading IIIA	CHEERLEA3A
		5440B	Cheerleading IIIB	CHEERLEA3B

	5441A	Cheerleading IVA	CHEERLEA4A
	5442B	Cheerleading IVB	CHEERLEA4B

Prerequisite: Cheerleader Grade Placement: 9 – 12

One credit for PE substitution will be available. All Cheerleading classes after the one credit PE substitution will only count as a local credit. Local credit courses do not count toward graduation credits and are not calculated into GPA.

JROTC SUBSTITUTION

NOTE: State law requires that any student who is taking a PE course, or class that substitutes for PE, participate in annual fitness testing.

A student who successfully completes JROTC may receive a substitution of one semester of PE for each semester of JROTC completed, up to one credit. A student can receive credit for a separate PE class while receiving a JROTC elective credit (see JROTC course descriptions section).

If a student has completed or is enrolled in a separate course that provides for a PE substitution, the student qualifies to enroll in the JROTC1 course number 5949AB which results in ROTC1 on his/her transcript.

Course nun	Course number and coding to be used for JROTC to count as a PE substitution				
5951A/B	5951A/B PE Substitution JROTCI (SUBJ1) PEIMS # PES00004				
Short title on transcript (SUBJ1) 1/2 credit per semester, up to a total of 1 credit					
Course nun	Course number and coding to be used for JROTC when another course is providing PE substitution credit				
5949A/B	5949A/B Junior Reserve Officer Training IA/B PEIMS # 03160100				
	Short title on transcript ROTC1A/B 1/2 credit per semester, up to 1 credit for ROTC1A/B				

OFF CAMPUS ACTIVITY SUBSTITUTION

To code all FWISD	To code all FWISD approved PE off-campus programs, use the designated course title/short title and accompanying PEIMS number.			
Course Number	Course Title	Short Title	Credit(s)	PEIMS #
5409 A/B	PE Substitution Non-District Program 1	SUBPRO1	.5 - 1	PES00008
5411 A/B	PE Substitution Non-District Program 2	SUBPRO2	.5 - 1	PES00009
5413 A/B	PE Substitution Non-District Program 3	SUBPRO3	.5 - 1	PES00010
5415 A/B	PE Substitution Non-District Program 4	SUBPRO4	.5 - 1	PES00011

The Fort Worth ISD Physical Education Waiver Program provides an opportunity for students in grades 7-12 to receive credit for participation in an off-campus, athletic/training program. FWISD is authorized by the Texas Education Agency (TEA) to substitute participation in private or commercially sponsored programs for the FWISD middle school physical education requirement (7th and 8th grades) and the state-required high school physical education graduation credit. The FWISD Health and Physical Education Department must ensure the program, agency, and instructor meet the waiver criteria in order to approve all requests through the application process.

DISTRICT-APPROVED OFF-CAMPUS ACTIVITIES

District-approved off-campus activities may also substitute for required physical education if specific criteria are met, listed in 19 Administrative Code Chapter 74, Subchapter F and EIF (LEGAL) and (LOCAL) policies.

- (iii) Appropriate private or commercially-sponsored physical activity programs conducted on or off campus. The district must apply to the commissioner of education for approval of such programs, which may be substituted for state graduation credit in physical education. Such approval may be granted under the following conditions:
- (I) Olympic-level participation and/or competition includes a minimum of 15 hours per week of highly intensive, professional, supervised training. The training facility, instructors, and the activities involved in the program must be certified by the superintendent to be of exceptional quality. Students qualifying and participating at this level may be dismissed from school one hour per day. Students dismissed may not miss any class other than physical education.
- (II) Private or commercially-sponsored physical activities include those certified by the superintendent to be of high quality and well supervised by appropriately trained instructors. Students participating in at least five hours per week is required. Students certified to participate at this level may not be dismissed from any part of the regular school day.

The purpose of this program is to accommodate students who are making a serious effort to develop high level capabilities and to allow them to be involved in an off-campus program that provides training exceeding that offered in the school district. The ability to offer this option is regulated by the Texas Education Agency.

All inquiries and applications for this option are to be directed to the Director of the FWISD Health and Physical Education Department. Applications must be submitted prior to Labor Day for the fall semester and by January 15 for the spring semester. A FWISD enrollment fee of \$25.00 will be assessed per semester unless a single payment of \$50.00 for both semesters is made at the beginning of the year. Fees are subject to change. The Director will notify the counselor and parent whether or not the requested off-campus activity has been approved as a physical education substitution. Attendance and grade reporting is made to the counselor every six weeks. The final grade for each semester will be included on the student's transcript and will count in the calculation of the student's grade point average.

DISTRICT-APPROVED OFF-CAMPUS ACTIVITY SUBSTITUTION

All of these courses will be calculated into the student's grade point average (GPA) as Tier III courses.

The grade provided is to be a letter grade; the counselor will commute this to a numerical grade using the following letter grade conversion charts.

Letter/Numerical	Letter/Numerical	Letter/Numerical	Letter/Numerical
A+ = 99	B+ = 89	C + = 79	D = 70
A = 96	B = 86	C = 76	F = 65
A- = 92	B- = 82	C- = 72	

Additional PE Substitution Credits

Beginning in 2014-2015, for students that are on the Foundation High School Program, the TAC §74.12 (b)(6)(B), states that in accordance with local district policy, the required credit may be earned through completion of any TEKS-based course that meets the requirement for 100 minutes of moderate to vigorous physical activity per five-day school week and that is not being used to satisfy another specific graduation requirement.

SHOW CHOIR II (VOCAL ENSEMBLE II) SUBSTITUTION

NOTE: State law requires that any student who is taking a PE course, or class that substitutes for PE, participate in annual fitness testing.

Course Codes		
The ½ - 1 Show Choir II credit to count as a PE substitution is to be coded as follows:		
Title		
PE Substitution Show Choir II		
(SUBSHOWCH)		
PEIMS # PES00015		

The above PE substitution Show Choir II (SUBSHOWCH) course **WILL count as a state graduation credit and WILL be calculated into the student's grade point average as a 4.0 course.** Both fall and spring semesters of Show Choir II may now substitute for PE credit, provided students engage in 100 minutes of "moderate to vigorous activity" per five –day school week. Provides ½ credit per semester; up to a total of 1 credit.

Prerequisite: Show Choir I (Vocal Ensemble I)

Grade Placement: 9 - 12

Credit: .5 - 1 (PE substitution credit)

Introduces students to different musical genres and performance styles that are not typically taught in a classical choral setting. This musical style includes choreography and physical movement, as well as vocal techniques necessary for understanding and appreciating fine musical performances through various styles of literature, such as pop, rock, contemporary a cappella and jazz. Attendance at all performances and rehearsals is required. One credit for PE substitution will be available.

PRINCIPLES OF DANCE II SUBSTITUTION

NOTE: State law requires that any student who is taking a PE course, or class that substitutes for PE, participate in annual fitness testing.

Course Codes			
The ½ - 1 Principles	of Dance II credit to count as a PE substitution is to be coded as follows:		
Course #	Title		
1503PE A/B	PE Substitution Principles of Dance II		
	(SUBDANCE)		
PEIMS # PES00015			
The above PE substitutio	n Principles of Dance II (SUBDANCE) course WILL count as a state graduation credit and WILL be		

calculated into the student's grade point average as a 4.0 course. Both fall and spring semesters of Principles of Dance II may now substitute for PE credit, provided students engage in 100 minutes of "moderate to vigorous activity" per five –day school week. Provides ½ credit per semester; up to a total of 1 credit.

Prerequisite: Dance, Level I Grade Placement: 9-12

Credit: .5 - 1 (PE substitution credit)

Focuses on classical ballet, modern, and multicultural dance, tap, and jazz. Expands students' experience with dance vocabulary, dimensions of creativity, choreography, artistic judgment, and dance in diverse cultures in contemporary society. Attendance at all performances and rehearsals is required. One credit for PE substitution will be available.

NOTE: State law requires that any student who is taking a PE course, or class that substitutes for PE, participate in annual fitness testing.

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The above PE substitution Technical Theatre II (SUBTECHTH) course **WILL count as a state graduation credit and WILL be calculated into the student's grade point average as a 4.0 course.** Both fall and spring semesters of Technical Theatre II may now substitute for PE credit, provided students engage in 100 minutes of "moderate to vigorous activity" per five –day school week. Provides ½ credit per semester; up to a total of 1 credit.

Prerequisite: Technical Theatre I Grade Placement: 9-12

Credit: .5 - 1 (PE substitution credit)

This course provides instruction in a laboratory and practical settings, in makeup, costuming design, set design and construction, lighting and sound design, business and theatre management, and other technical areas needed for theatrical and performing arts productions. Students will climb ladders, adjust lights, etc. as well as handle heavy materials, machinery and tools. Students will be expected to participate in all behind-the-scenes action of productions. Attendance at all performances and rehearsals is required, as well as behind-the-scenes action of productions. One credit for PE substitution will be available.

MUSICAL THEATRE II SUBSTITUTION

NOTE: State law requires that any student who is taking a PE course, or class that substitutes for PE, participate in annual fitness testing.

The ½ - 1 Musical T	heatre II credit to count as a PE substitution is to be coded as follows:
Course #	Title
1474PE A/B	PE Substitution Musical Theatre II
	(SUBMUSICTH)
	PEIMS # PES00015

rne above PE substitution Musical Theatre II (SUBMUSICTH) course **WILL count as a state graduation creat and WILL be** calculated into the student's grade point average as a 4.0 course. Both fall and spring semesters of Musical Theatre II may now substitute for PE credit, provided students engage in 100 minutes of "moderate to vigorous activity" per five –day school week. Provides ½ credit per semester; up to a total of 1 credit.

Prerequisite: Musical Theatre I Grade Placement: 9-12

Credit: .5 - 1 (PE substitution credit)

Students will be active in a wide range of on-stage performance disciplines, including acting performance, vocal performance, and dance performance. The course will also provide an atmosphere in which students benefit from a teaching and learning experience in these performance disciplines of Broadway-style musical theatre.

The course will enable students to study and perform the varied styles of musical theatre with special attention to the principles of stage movement, stage vocal technique, stage choreography, acting, characterization, and all other aspects of a musical production. Attendance at all performances and rehearsals is required. One credit for PE substitution will be available.

NOTE: State law requires that any student who is taking a PE course, or class that substitutes for PE, participate in annual fitness testing.

Course Codes Course Titles All of the Color Guard course numbers provided directly below are to be used for Color Guard credits that go beyond the total of the 1 credit allowed as a PE Color Guard substitution. The following Color Guard courses are LOCAL CREDIT ONLY and WILL NOT count The 1/2 - 1 Color Guard credit to count as a toward graduation credit and WILL NOT be calculated in a PE Substitution is to be coded as follows: student's grade point average. Before a student may qualify to enroll in any Color Guard Local Credit Courses, he/she must have completed the required PE credit or PE substitution credit or be enrolled in such a qualifying course. Course # **Course Title** Title Course # **CLGD1AB** PE EQ1 - Color Guard IAB 9004A/B **PE Substitution** PE EQ2 - Color Guard IIAB CLGD2AB **Color Guard** PE EQ3 - Color Guard IIIAB (SUBCOLORGD) **CLGD3AB PEIMS # PES00012** CLGD4AB **PE EQ4 - Color Guard IVAB** The above PE substitution Color Guard (SUBCOLORGD) course WILL count as a state graduation credit and WILL be calculated into the student's grade point average as a **4.0 course.** Both fall and spring semesters of Color Guard may now substitute for PE credit, provided students engage in 100 minutes of "moderate to vigorous activity" per five -day school week.

Prerequisite: Color Guard Member

Grade Placement: 9-12

Credit: .5 - 1 (PE substitution credit; additional credits count only as local credit)

Students must audition to be accepted in Color Guard. This course deals with learning the basics of Color Guard performance (flag techniques, body movement, and performance skills). This is one of the many sections that make up the marching band that will perform at football games, marching contests, parades, and pep rallies. By taking this course, the student understands that they must attend all rehearsals, performances, and contests that take place outside the school day (regardless of placement). In addition, members will need to attend camps and other rehearsals that my take place during school vacations. After marching season students will participate in winter guard season, learning more comprehensive, in-depth skills while performing indoors. Students will audition for one of several ability- based winter guard groups at the end of the fall semester.

One credit for PE substitution will be available. All Color Guard classes after the one credit PE substitution will only count as a local credit. Local credit courses do not count toward graduation credits and are not calculated into GPA.

JROTC

JROTC (one to four credits) may be used to count as state graduation elective credit(s). Students may also use JROTC to substitute for the 1 credit of PE which is required for graduation; therefore, two semesters of JROTC will fulfill the 1 PE credit requirement.

Students entering Grade 9 beginning with school year 2014-2015 and thereafter will be graduating under the Foundation High School Program. This graduation program requires students to complete the required subject courses, plus an endorsement made up of four courses/four credits in the student's area of career or college interest. Courses used to meet the named subject credits required may also be used as courses making up an endorsement. Four levels of JROTC courses (I, II, III, and IV) qualifies as a public service endorsement, meeting the endorsement graduation requirement.

All ROTC Students may select how they want the JROTC Level IA/B 1 credit course to count toward graduation:

1. As a PE substitution with the short title on their transcripts of SUBJ1 showing the course meets the 1 credit PE Graduation requirement

OR

2. As a JROTC course credit with the short title of ROTC, AFROTC, or NROTC appearing on the student's transcript for 1 elective credit/no credit for PE. A student using this option has either to have already completed a PE course or PE substitution (such as athletics, marching band, or drill team etc.) or be enrolled in such a PE credited course at the same time as they are enrolled in JROTC.

NOTE: State law requires that any student who is taking a PE course, or class that substitutes for PE, participate in annual fitness testing.

JUNIOR RESERVE OFFICERS TRAINING I AB (PE SUBSTITUTION) JUNIOR RESERVE OFFICERS TRAINING I AB (NO PE CREDIT AWARDED)	5951 AB (PE Substitution) or 5949 AB
(Introduction to Leadership and Citizenship Development) JROTC is a "world-class," student-centered academic, STEM-based leadership program which familiarizes students with the concept of leadership, rights, responsibilities, privileges, and freedoms that underlie good citizenship. Focus on STEM-LEGO and VEX Robotics. Students individually and within teams will engage in hands-on teaching and learning, applying academic content by creatively solving real-world problems with innovative design-based thinking. Students will begin developing appreciation of teamwork through instruction in STEM- LEGO and VEX Robotics, Cybersecurity, Problem Solving, Drill, and wearing of the uniform Instructional Material: Student Text & HB Instructor Guide, Curriculum Manager Portable Drive, VEX Robotics/No	PES000004 (PE Substitution) or 03160100 Grade level: 9 - 12 HS Credit(s): 1
state-adopted textbook/Contact JROTC Director Web Portal Prerequisites: 14 years of age	Tier III
JUNIOR RESERVE OFFICERS TRAINING II AB	5953 AB
(Leadership and Citizenship Development) This course is designed with the latest interactive instructional strategies to maximize student engagement and learning. This course improves leadership ability, communications, decision-making, and goal setting through study and practical leadership experience as a cadet noncommissioned officer. Course provides introductory instruction in American military history with emphasis on the origin and role of the U.S. Army (JROTC), U.S. Air Force (AFJROTC), or U.S. Navy (NJROTC). Students will participate in service learning (community service) activities. Course enhances social and ethical values, and introduces physical conditioning, proper diet and nutrition.	03160200 Grade level: 10 - 12 HS Credit(s): 1 College Hour(s): N/A Tier III
Instructional Material: Student Text & HB Instructor Guide, Curriculum Manager Portable Drive, VEX Robotics/No state-adopted textbook/Contact JROTC Director Web Portal Prerequisites: JROTC I	
JUNIOR RESERVE OFFICERS TRAINING III AB	5955 AB
(Applied Leadership Development) This course improves leadership ability through study and practical leadership experience as a cadet officer in the JROTC. Course provides practical experience in applying leadership assessment principles, training and supervising subordinates, communications, service learning and problem solving. Cadets complete DL courses: Conflict Resolution, Time Management, Improving Writing Skills, Test Taking, Internet Safety, and First Aid. Continues instruction in military history as it relates to American culture and the future.	03160300 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): N/A Tier III

Instructional Material: Student Text & HB Instructor Guide, Curriculum Manager Portable Drive, VEX Robotics/No state-adopted textbook/Contact JROTC Director Web Portal

Prerequisites: JROTC II

HONORS JUNIOR RESERVE OFFICERS TRAINING III AB	5958 AB
The honors course is designed to provide mid-level staff and primary cadet leaders the opportunity for applying advanced academic leadership and management skills, using proven and creative techniques, while employing multiple intelligences and learning strategies to maximize individual potential. Honors cadets will be challenged by the daily rigors of program requirements necessary to ensure highly successful ratings in all functional areas during inspections. Further leadership development via involvement in Team competitions, Peer Mentorship, Adopt-a-School programs. Moreover, developing techniques to integrate STEM learning, STEM research and engineering projects with leadership, creativity and teamwork.	03160300 Grade level: 11 HS Credit(s): 1 College Hour(s): N/A Tier II
Instructional Material: Student Text & HB Instructor Guide, Curriculum Manager Portable Drive, VEX Robotics/No state-adopted textbook/Contact JROTC Director Web Portal Prerequisites: JROTC I and II	
JUNIOR RESERVE OFFICERS TRAINING IV AB	5957 AB
(Advanced Leadership Development) Course provides students with advanced leadership and instructional experiences while allowing them to serve as senior cadet commanders and staff officers. Emphasis is on effective application of training management, planning management, leadership and communication skills, ethical reasoning, office administration, and decision-making in an assigned command or staff position. Applied service learning (community service projects) involves developing a concept, planning, resourcing, and leading a service project. Students are provided access to ACT/SAT prep courses, guidance in selecting a college and pursuing available scholarships, and mentoring in establishing long-range life goals. Students will lead major competitions, activities, and external inspections. At Arlington Heights High School, the NJROTC enters advanced naval	03160400 Grade level: 12 HS Credit(s): 1 College Hour(s): N/A Tier III
operations, intelligence, communications, seamanship, and applied staff and command. Instructional Material: Student Text & HB Instructor Guide, Curriculum Manager Portable Drive, VEX Robotics/No state-adopted textbook/Contact JROTC Director Web Portal Prerequisites: JROTC III	
HONORS JUNIOR RESERVE OFFICERS TRAINING IV AB	5959 AB
This honors course is designed to provide senior-level and primary cadet leaders the opportunity for applying advanced academic supervisory leadership and management skills, using proven and creative techniques while employing multiple intelligences and learning strategies. Cadets complete DL courses, Conflict Resolution, Time Management, Improving Writing Skills, Test Taking, Internet Safety, and First Aid. Cadets are eligible to enroll in courses for college credits. Students are provided access to ACT/SAT prep courses, guidance in selecting a college and pursuing available scholarships, and mentoring in establishing long-range life goals. Honors cadets will apply rigorous practical decision-making techniques to resolve a myriad of complex situations, requiring exceptional leadership, citizenship, and management skills in complex situations throughout the evaluation period. This will ensure highly successful ratings in all functional areas during inspections.	03160400 Grade level: 12 HS Credit(s): 1 College Hour(s): N/A Tier II
Instructional Material: Student Text & HB Instructor Guide, Curriculum Manager Portable Drive, VEX Robotics/No state-adopted textbook/Contact JROTC Director Web Portal Prerequisites: JROTC II and III	
HONORS UNITED STATES MILITARY HISTORY AB SPECIAL TOPICS IN SOCIAL STUDIES	5975 AB 5975 AB 5978 AB
This course presents a comprehensive U. S. Military History review, providing students an awareness of responsible leadership roles of men and women in past and present history. Students will gain an understanding of U.S. military history and strategy from an intellectual, social, economic and political perspective. Students will apply critical-thinking skills to understand the impact of geographic factors, current world events and the role of diplomacy from the perspective of both scholars and from the perspective of those who have fought our wars. Cadet leaders are provided the opportunity to participate in world affairs discussions and seminars, staff rides to military installations, museums, historic battlefields and monuments, panel discussions, community service projects, leadership labs, leadership camps, as well as participation in classroom discussion, and debate projects on local and world events. Students will gain a world-view perspective and a greater appreciation and understanding of culture, history and government.	033800## Grade level: 10 - 12 HS Credit(s): 1 College Hour(s): N/A Tier II
Instructional Material: Provided by ROTC Department/Locally adopted textbook - Lookingbill's The American Military: A Narrative History, John Wiley Press, 2014, ISBN: 9781444337365 Prerequisites: Student must have completed JROTC I or seeking Humanities Endorsement 022800## 1st Time ##=02, 2nd Time ##=22, 2nd Time ##=22, 4th Time ##=42	
033800## - 1st Time ##=02, 2nd Time ##=22, 3rd Time ##=32, 4th Time ##=42 AIR FORCE JUNIOR RESERVE OFFICER TRAINING I AB (PE SUBSTITUTION) AIR FORCE JUNIOR RESERVE OFFICER TRAINING I AB (NO PE CREDIT)	5963 AB (PE Substitution) or 5947 AB (No PE Credit)
AFJROTC1. AS-1 - A JOURNEY into AVIATION HISTORY: This is an aviation history course focusing on the development of flying throughout the centuries. The emphasis is on civilian and military contributions to aviation. LE-1-Citizenship, Character and Air Force Tradition: Focuses on the AFJROTC mission and organization, customs and courtesies, and the meaning and purpose of standards, discipline, and conduct. A Health and Wellness program is 20% of the total program instruction and encourages students to develop lifelong fitness goals. Instructional Material: Textbooks, Instructor Guide, CD, DVD provided by the JROTC/Air Force	PES00004 (PE Substitution) or 03160100 (No PE Credit) Grade level: 9 - 12 HS Credit(s): 1 College Hour(s): N/A

AIR FORCE JUNIOR RESERVE OFFICER TRAINING II AB	5965 AB
AFJROTC2. AS-2 – The Science of Flight; A Gateway to New Horizons: This second-year course covers the aerospace	03160200
environment, the human requirements for flight, principles of aircraft flight, and principles of navigation.	Grade level: 10 - 12
Discussions include the forces of lift, drag, thrust and weight. LE-1-Citizenship, Character and Air Force Tradition:	HS Credit(s): 1
Focuses on the AFJROTC mission and organization, customs and courtesies, and the meaning and purpose of	College Hour(s): N/A
standards, discipline, and conduct. A Health and Wellness program is 20% of the total program instruction and	Tier III
encourages students to develop lifelong fitness goals.	
Instructional Material: Textbooks, Instructor Guide, CD, DVD provided by the JROTC/Air Force	
Prerequisites: AFJROTC IAB	
AIR FORCE JUNIOR RESERVE OFFICER TRAINING III AB	5967 AB
AFJROTC3. AS-3 -Exploring Space; The High Frontier: This course examines our Solar System, the Sun, Earth, and	03160300
Moon and the planets, the latest advances in space technology, and continuing challenges of space and manned	Grade level: 10
space flight. LE-3-Life Skills and Career Opportunities: Comprehend the importance of obtaining a degree or skill	HS Credit(s): 1
after high school comprehend the importance of financial planning, and know what career opportunities are	College Hour(s): NA
available. A Health and Wellness program is 20% of the total program instruction and encourages students to	Tier III
develop lifelong fitness goals and skills.	
nstructional Material: Textbooks, Instructor Guide, CD, DVD provided by the JROTC/Air Force	
Prerequisites: AFJROTC IIAB	
HONORS AIR FORCE JUNIOR RESERVE OFFICER TRAINING III ABH	5969 AB/H
itudent assigned to honors AFJROTC will be required to meet all the requirements of AFJROTC3 in addition the	03160300
ollowing requirements: The honors course is designed to provide mid-level staff and primary cadet leaders the	Grade level:
opportunity for applying advanced academic leadership and management skills, using proven and creative	HS Credit(s): 1
echniques, while employing multiple intelligences and learning strategies. Honors cadets will be challenged by the	College Hour(s): N/A
daily rigors of program requirements necessary to ensure a highly successful unit.	Tier II
nstructional Material: Textbooks, Instructor Guide, CD, DVD provided by the JROTC/Air Force	
Prerequisites: AFJROTC IAB and IIAB	F071 AD
AIR FORCE JUNIOR RESERVE OFFICER TRAINING IV AB AFJROTC3. AS-4H – Management of the Cadet Corps: The cadets manage the entire corps during their fourth year in	5971 AB 03160400
he AFJROTC program. This hands-on experience affords the cadets the opportunity to put theories of previous	Grade level: 12
eadership courses into practice. LE-4-Leadership Education: The students will comprehend the importance of self-	HS Credit(s): 1
management and the management of others and comprehend the concepts and skills of problem solving, decision	College Hour(s): NA
making and negotiation. A Health and Wellness program is 20% of the total program instruction and encourages	Tier III
students to develop lifelong fitness goals and skills.	Hei III
Instructional Material: Textbooks, Instructor Guide, CD, DVD provided by the JROTC/Air Force	
Prerequisites: AFJROTC IIIAB	
HONORS AIR FORCE JUNIOR RESERVE OFFICER TRAINING IVA/B/H	5973 AB
Advance Management of the Cadet Corps) The requirements for this course are in addition to the requirements of	03380002
As And LE4. This course provides students with advance leadership and instructional experiences while allowing	Grade level: 12
them to serve as senior cadet commanders and staff officers. Emphasis is on effective application of training	HS Credit(s): 1
management, planning management, leadership and communication skills, ethical reasoning, office administration,	College Hour(s): N/A
decision making in an assigned command or staff position. Applied service learning (community service projects)	Tier II
nvolves developing a concept, setting measurable goals, planning and leading a service project. Students will lead	Hei II
najor competitions, activities and external inspections	
nstructional Material: Textbooks, Instructor Guide, CD, DVD provided by the JROTC/Air Force	
<u>rerequisites:</u> AFJROTC IIAB and IIIAB	
IONORS AVIATION GROUND SCHOOL ABH	5961 AB
AFJROTC4. AS-4 Honors – Aviation Honors Ground School: The material covered is a more advance, more-in-depth	N1290400
study of the previous aerospace topics. When the course is complete, the students should be prepared to take and	Grade level: 11 - 12
pass the Federal Aviation Administration (FAA) written examination. The Private Pilot Manual is the source for initial	HS Credit(s): 1
study and review. The course covers advanced weather, aerodynamics, FAA regulations, flight planning and	College Hour(s): N/A
navigation. At the end of this course, the student should pass the 60-question FAA written exam.	Tier II
nstructional Material: Textbooks, Instructor Guide, CD, DVD provided by the JROTC Dept.	
Prerequisites: AFJROTC AS IIAB	
	5977 AB (PE Substitution
NAVY SCIENCE JUNIOR RESERVE OFFICER TRAINING I AB (PE SUBSTITUTION)	3311 AB (PE Substitution
NAVY SCIENCE JUNIOR RESERVE OFFICER TRAINING I AB (NO PE CREDIT)	
NAVY SCIENCE JUNIOR RESERVE OFFICER TRAINING I AB (NO PE CREDIT)	
NAVY SCIENCE JUNIOR RESERVE OFFICER TRAINING I AB (NO PE CREDIT) NJROTC1. This Naval Science 1 course introduces students to fundamental elements of the meaning of citizenship, understanding the American Government, and the elements of leadership; the value of scholarship in attaining life	or 5979 AB (No PE Credit
NAVY SCIENCE JUNIOR RESERVE OFFICER TRAINING I AB (NO PE CREDIT) NJROTC1. This Naval Science 1 course introduces students to fundamental elements of the meaning of citizenship, understanding the American Government, and the elements of leadership; the value of scholarship in attaining life goals; promotes an awareness of the importance of a healthy lifestyle, including physical fitness, a proper diet, and	or 5979 AB (No PE Credit PES00004 (PE Substitution) 3160100 (No PE Credit) Grade level: 9 - 12
NAVY SCIENCE JUNIOR RESERVE OFFICER TRAINING I AB (NO PE CREDIT) NJROTC1. This Naval Science 1 course introduces students to fundamental elements of the meaning of citizenship, understanding the American Government, and the elements of leadership; the value of scholarship in attaining life goals; promotes an awareness of the importance of a healthy lifestyle, including physical fitness, a proper diet, and controlling stress and drug awareness; provides the principles of health and first aid; includes geography,	or 5979 AB (No PE Credit PES00004 (PE Substitution) 3160100 (No PE Credit) Grade level: 9 - 12 HS Credit(s): 1
NAVY SCIENCE JUNIOR RESERVE OFFICER TRAINING I AB (PE SUBSTITUTION) NAVY SCIENCE JUNIOR RESERVE OFFICER TRAINING I AB (NO PE CREDIT) NJROTC1. This Naval Science 1 course introduces students to fundamental elements of the meaning of citizenship, understanding the American Government, and the elements of leadership; the value of scholarship in attaining life goals; promotes an awareness of the importance of a healthy lifestyle, including physical fitness, a proper diet, and controlling stress and drug awareness; provides the principles of health and first aid; includes geography, prienteering, survival and map reading skills, financial skills and an introduction to the U.S. Navy with an overview of Naval ships and aircraft.	or 5979 AB (No PE Credit PES00004 (PE Substitution) 3160100 (No PE Credit) Grade level: 9 - 12

Instructional Material: Textbooks, Instructor Guide, CD, DVD provided by the JROTC Dept. Prerequisites: 14 years of age

NAVY SCIENCE JUNIOR OFFICER RESERVE TRAINING II AB 5981 AB NJROTC2. The Naval Science 2 course builds on the general introduction provided in Naval Science 1 to further 03160200 develop the traits of citizenship and leadership, and to introduce cadets to the technical areas of naval science and Grade level: 10 - 12 the role of the U.S. Navy in maritime history and the vital importance of the world's oceans to the continued well-HS Credit(s): 1 being of the United States. Students are introduced to Maritime History, including the American Revolution, Civil College Hour(s): N/A Ware, the rise of the U.S. to world power status, World Wars 1 and 2, the Cold War Era and the 1990s and Beyond; Tier III introduction to Nautical Sciences to include Maritime Geography, Oceanography, Meteorology, Astronomy, and Physical Sciences. Instructional Material: Textbooks, Instructor Guide, CD, DVD provided by the JROTC Dept. Prerequisites: NJROTC I **NAVY SCIENCE JUNIOR OFFICER RESERVE TRAINING III AB** 5983 AB NJROTC3. The Naval Science 3 course broadens the understanding of students in the operative principles of military 03160300 leadership, the concept and significance of teamwork, the intrinsic value of good order and discipline in the Grade level: 11 - 12 accomplishment of objectives, and the importance of sea power and national security. Students gain a more in-HS Credit(s): 1 depth knowledge of Naval ships and aircraft and an introduction to marine navigation and seamanship. This course College Hour(s): N/A also provides instruction on Naval Operations and Support Functions, Military Law, and International Law and the Tier III Sea. Provides introduction to ship construction and damage control, shipboard organization and watch standing, basic seamanship, marine navigation, and naval weapons and aircraft. Includes on-going instruction in leadership, citizenship and discipline. Instructional Material: Textbooks, Instructor Guide, CD, DVD provided by the JROTC Dept. Prerequisites: NJROTC II HONORS NAVY SCIENCE JUNIOR OFFICER RESERVE TRAINING III AB 5985 AB NJROTC3/Honors. Student assigned to honors NJROTC will be required to meet all the requirements of NJROTC3 in 03160300 addition the following requirements: The honors course is designed to provide mid-level staff and primary cadet Grade level: 9 - 12 leaders the opportunity for applying advanced academic leadership and management skills, using proven and HS Credit(s): 1 creative techniques, while employing multiple intelligences and learning strategies. Honors cadets will be challenged College Hour(s): N/A by the daily rigors of program requirements necessary to ensure a highly successful unit. Students are provided Tier II access to ACT/SAT prep courses, guidance in selecting a college and pursuing available scholarships, and mentoring in establishing long-range life goals. Instructional Material: Textbooks, Instructor Guide, CD, DVD provided by the JROTC Dept. Prerequisites: AFJROTC I and II **NAVY SCIENCE JUNIOR OFFICER RESERVE TRAINING IV AB** 5987 AB NJROTC4. Naval Science 4 course focus is primarily on practical leadership techniques and implementation. The 03160400 intent is to assist seniors in understanding leadership and improving their leadership skills by putting them in Grade level: 12 positions of leadership, under supervision, then helping them analyze the reasons for them vary degrees of success HS Credit(s): 1 throughout the year. Classroom activities include seminars, reading assignments, classroom presentations, and College Hour(s): N/A practical work with younger cadets. This hands-on experience affords the cadets the opportunity to put theories of Tier III previous leadership courses into practice. Seniors are mentored/quided in their presentation for life after high school to include college preparation, scholarship applications, and the variety of choices that are available to them. Instruction is provided in theoretical and applied aspects of leadership, training, and evaluation of performance. Students will become aware of the techniques used to create motivation, develop goals and activities for a work group, and the proper ways to set a leadership example. Students are provided access to ACT/SAT prep courses, guidance in selecting a college and pursuing available scholarships, and mentoring in establishing long-range life Instructional Material: Textbooks, Instructor Guide, CD, DVD provided by the JROTC Dept. Prerequisites: NJROTC III HONORS NAVY SCIENCE JUNIOR OFFICER RESERVE TRAINING IV AB 5989 AB NJROTC4/Honors The requirements for this course are in addition to regular course requirements. Requires students 03160400 with advance leadership and instructional experiences while allowing them to serve as senior cadet commanders Grade level: 12 and staff officers. Emphasis is on effective application of training management, planning management, leadership HS Credit(s): 1 and communication skills, ethical reasoning, office administration, decision making in an assigned command or staff College Hour(s): N/A position. Applied service learning (community service projects) involves developing a concept, setting measurable Tier II goals, planning and leading a service project. Students will lead major competitions, activities and external inspections.

<u>Instructional Material:</u> *Textbooks, Instructor Guide, CD, DVD provided by the JROTC Dept.* <u>Prerequisites:</u> NJROTC II and III

Career and Technical Education (CTE)

Public Notification of Non-Discrimination in Career and Technical Education Programs

The Fort Worth Independent School District offers CTE programs in the following Career Areas:

Agriculture, Food and Natural Resources;

Architecture and Construction;

Arts, Audio Video Technology, and Communications (Arts A/V);

Business, Marketing, and Finance;

Education and Training;

Energy (P-TECH Program only);

Engineering;

Health Science;

Hospitality and Tourism;

Human Services;

Information Technology;

Law and Public Service;

Manufacturing;

Transportation, Distribution and Logistics.

Admission to the above programs is based on interest, lottery selection, age appropriateness, and class space availability.

It is the policy of Fort Worth ISD not to discriminate on the basis of race, color, religion, gender, national origin, age, sexual orientation, disability, gender identity and expression, military/veteran status, or any other basis prohibited by law in its vocational programs, services or activities and provides equal access to the Boy Scouts and other designated youth groups as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

Fort Worth ISD will take steps to assure that the lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.

The Fort Worth Independent School District prohibits discrimination, including harassment, against any employee on the basis of race, color, religion, gender, national origin, age, sexual orientation, disability, gender identity and expression, military/veteran status, or any other basis prohibited by law. Retaliation against anyone involved in the complaint process is a violation of District policy. The following persons have been designated to handle inquiries regarding the non-discrimination policies: Patricia Sutton, Director of Special Services, 215 NE 14th Street, Fort Worth, TX 76164, 817.814.2458, E-mail: Patricia.Sutton@fwisd.org or Cynthia Allen, Title IX Coordinator, 7060 Camp Bowie Blvd., Fort Worth, TX 76116, 817.814.1880, Email: Cynthia.Allen1@fwisd.org, or Dr. Lisa Langston, Director of UIL Compliance, 1501 University Dr, Fort Worth, TX 76107, 817.815.7307, Email: Lisa.Langston@fwisd.org.

Fort Worth ISD Career & Technical Education (CTE) offers a variety of Programs of Study. Each Program of Study has a developed coherent sequence of courses to provide students with an option to receive an Endorsement with their high school diploma based on House Bill 5/Foundation Graduation Program Requirements. Each Program of Study begins with foundation courses that allow students to explore the careers and learn basic concepts and skills needed within that focus. As students move forward in the Program of Study, they will begin to take technical courses that provide them with advanced knowledge and skills in preparation for postsecondary education and/or for jobs in their chosen career field. Programs of Study also prepare students to complete industry certifications that will allow them to become more employable with higher starting wages and provide them with a Performance Acknowledgement in an Endorsement.

What is an endorsement?

Endorsements are made up of four courses for four or more credits taken in a coherent sequent providing advanced or more indepth knowledge and skills in a curriculum area. Middle school students should explore career information related to the endorsement areas listed below so they may begin to think about what areas they will want to take more in-depth course work during their educational career in high school.











Each endorsement requires students to complete a foundation of academic courses and a coherent sequence of courses within the endorsement area that lead to advanced studies. Endorsements are earned by successfully completing 26 credits including:

4 math credits

4 science credits

4 or more credits in a coherent sequence aligned to their endorsement area

2 additional elective credits (can be part of the endorsement coherent sequence)

What is a Program of Study?

Did you know that there are thousands of different careers in the United States? To help organize the thousands of careers, the U.S. Department of Labor has organized them into career areas with occupations and broad industries that share certain features. In FWISD Career and Technical Education (CTE), the many available programs of study provide you with a developed coherent sequence that can lead to an endorsement with your high school diploma. Think of a program of study as being like a college major. Each program of study begins with foundation courses that allow you to explore the careers within the focus and to learn basic concepts and skills needed for careers within that program of study. As you move forward in the program of study, you will begin to take technical courses that provide you with advanced knowledge and skills in preparation for postsecondary training and/or for jobs in your chosen career field. Many programs of study will lead into a capstone experience junior or senior year, that allows you to graduate with a performance acknowledgement on your diploma. These experiences include earning dual credit, a level I or II college certificate, an industry-based certification, a work-based learning experience, and/or a paid internship opportunity. A CTE Capstone Experience will help you build industry relationships and prepare for the real-world which will, in turn, help you to become more employable in high-need, highwage jobs of your interest. Additionally, you can use this opportunity to find a job that could help pay for college or post-secondary education.

Business and Industry Endorsement

Agriculture, Food & Natural Resources careers focus on the essential elements of life food, water, land, and air. This career cluster includes a diverse spectrum of occupations, ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist. It also includes non-traditional agricultural occupations like wind energy, solar energy, and oil and gas production.

Architecture & Construction careers focus on designing, planning, managing, building and maintaining the built environment.

Arts, A/V Technology & Communications careers focus on designing, producing, exhibiting, performing, writing, and publishing multimedia content. These focuses include visual and performing arts, design, journalism, and entertainment services. Careers in the AAVTC career cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication.

Business, Marketing & Finance careers focus on planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.

Energy careers focus on the designing, planning, maintaining, generating, transmission, and distribution of traditional and alternative energy.

Hospitality & Tourism careers focus on the management, marketing and operations of restaurants, food/ beverage services, lodging, attractions, recreation events and travel related services. Students acquire knowledge and skills focusing on communication, time management, and customer service that meet industry standards. Students will explore the history of the hospitality and tourism industry and examine characteristics needed for success.

Information Technology careers focus on building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support and management of hardware, software, and multimedia and systems integration services.

Manufacturing careers focus on planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

Transportation, Distribution & Logistics careers focus on planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance.

Public Services Endorsement

Education & Training careers focus on planning, managing and providing education and training services, and related learning support services. All parts of courses are designed to introduce learners to the various careers available within the Education and Training career cluster. Health Science careers focus on planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

Human Services careers focus on preparing individuals for employment in careers that relate to families and human needs such as counseling and mental health services, family and community services, personal care, and consumer services.

Law and Public Service careers focus on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and fire and emergency services.

STEM Endorsement

Engineering careers focus on the planning, designing, testing, building, and maintaining of machines, structures, materials, systems, and processes using empirical evidence and science, technology, and math principles.

Further details about specific programs of study and those with multiple endorsement opportunities can be found on the CTE Programs of Study Alignment to Endorsements page on the http://tea.texas.gov site.

What is the difference between a program of study and an endorsement?

A *program of study* is a sequence of courses within a career cluster and link what students learn in school with the knowledge and skills they need for success in college and careers. *Endorsements* require that the students take four courses from basic skills to advanced courses in the sequence to receive the endorsement when the student graduates from high school.

What is a coherent sequence?

A coherent sequence is a series of courses that relate to a student's career interest and program of study. A coherent sequence builds from foundation and/or exploratory courses to courses that include higher level skills and knowledge to courses that allow the student to practice the high-level skills they have learned either in a lab setting or in the workplace.

Why is it important to offer a coherent sequence of courses?

A coherent sequence of courses helps students take various levels of courses throughout high school that prepares students for their secondary and postsecondary level career goals. The sequence lets students build their knowledge and skills from the basic level to a more technical and advanced level. The more advanced technical level courses provide students with the opportunity to take an industry-based certification offered within their program/career area as well as graduate high school with an industry endorsement.

How do you know if you are in a coherent sequence?

A coherent sequence of courses builds from foundation-level to workplace-level skills and knowledge. If you follow one of the programs of study listed in this CTE section of the course catalog, you will be participating in a coherent sequence.

Is a program of study flexible, if I decide to change?

Students should stay in the courses of their selected program of study in order to receive an endorsement when they graduate, but course curriculum can be flexible. Since there are a variety of jobs and positions at different levels within each occupational group, the courses students take for one career pathway may apply to a variety of different careers within the same pathway. Therefore, students have the opportunity to explore a variety of occupations within a chosen program of study and to learn a variety of skills that allows flexibility within students' education and career goals. For example, learning Business Entrepreneurship within their Culinary Program of Study.

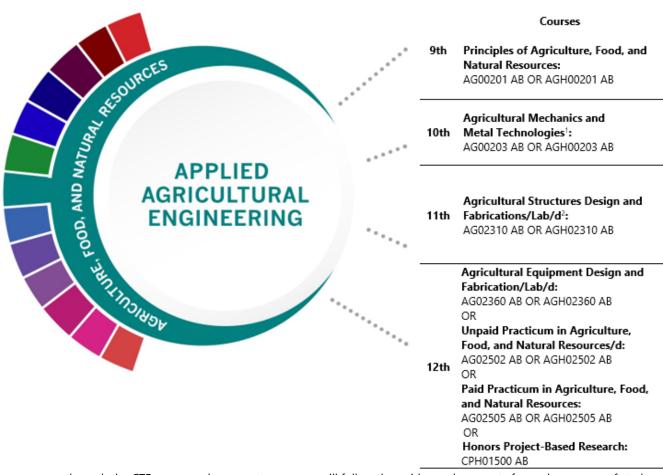
What if you change your mind?

Students need to take the basic prerequisite courses to build the knowledge and skills before taking the higher-level courses. However, some courses are offered in other programs of study where the student can easily transfer. Additionally, some programs allow for students to switch programs of study after taking the first-level course within the sequence and without repeating the first-level course in the new program. The student will need to get guidance from their assigned counselor and CTE teacher, prior to changing. However, even if students start over at the basic course level, students really have not lost anything since they will have gained transferable knowledge and skills from the previous program of study that can used throughout life.

What is a 4-year progression plan (graduation plan)?

A progression/graduation plan maps out a student's suggested high school coursework that will lead them to their chosen pathway. This helps students choose their future courses and helps guide in scheduling students correctly, which includes all core, elective, and coherent sequence of courses within their selected program of study. Progression plans identify whether students are on track for graduation as well as determine whether a student will graduate with a college and/or career preparedness measure and industry endorsement. Counselors review progression plans with each student annually and update as changes to courses or programs of study arise.

Guidance for Reading CTE Career Focus Charts



As you move through the CTE career endorsement areas, you will follow the guidance documents for each program of study. The following is presented to guide you through understanding each chart.

The example above is taken from the Applied Agricultural Engineering program of study. You can see the grade level where certain courses are to be taken.

Notice that one of the courses offered for 11th grade is denoted with the abbreviation of 'd' (short for 'double blocked') in the course number. These courses are scheduled across two class periods and will allow students to earn 2.0 credits. Similarly, "t" stands for "triple blocked" and "T" stands for "term", which is a one-semester only course.

The other courses without a "/d" consist of both an 'A' and 'B' component that must be taken in order for the student to earn 1.0 credit. This is exactly how most students think of taking any core class like English or math. These courses are **not** to be broken up into separate years of high school. If multiple courses are offered at a grade level but are not **all** required, the word "OR" will be used to demonstrate choice of courses.

Students qualify for certain Practicum Experiences as they near graduation. Each Endorsement will vary in the availability and content of these experiences.

Finally, we know the options can quickly become overwhelming. You are therefore urged to contact your campus counselor or the CTE office for any questions you may have at 817.814.1530.

CTE Elective Courses

CTE students are expected to follow a four-year coherent sequence of courses as designated in the CTE Career Programs of Study and Focus Charts. However, there are some courses that students are able to take as an elective or enrichment course, outside of a coherent sequence, which may also offer industry-based certification exam opportunities. The CTE elective courses and descriptions are listed below.

COURSE DESCRIPTIONS FOR CTE ELECTIVE CLASSES

PROFESSIONAL COMMUNICATIONS T (PROFCOMM T)	AV09901T
Professional Communications blends written, oral, and graphic communication in a career-based environment.	13009900
Careers in the global economy require individuals to be creative and have a strong background in computer and	Grade level: 8 - 12
echnology applications, a strong and solid academic foundation, and a proficiency in professional oral and written	HS Credit(s): 0.5
communication. Within this context, students will be expected to develop and expand the ability to write, read, edit,	
speak, listen, apply software applications, manipulate computer graphics, and conduct Internet	
research. This course is also offered at middle school campuses for high school speech and CTE credit. The	
credit is earned only if the middle school teacher was certified to teach the course at the time the student was	
enrolled.	
nstructional Material: Professional Communications, 2017 Edition, Goodheart-Willcox Co.	College Hour(s): NA
Prerequisite(s): None	Tier III
Professional Communications can be taught by any teacher certified in speech or career and technical education who	
has been credentialled through the district to teach this course. Contact the CTE Dept. for credentialing and training	
information.	DA44204T
TOUCH SYSTEM DATA ENTRY T (TSDATAE T)	BA11301T
In Touch System Data Entry, students apply technical skills to address business applications of emerging	13011300
technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them	Grade level: 8 - 10
to the business environment. Students will need to apply touch system data entry skills for production of business	HS Credit(s): 0.5
documents. This course is also offered at middle school campuses that can qualify for high school CTE credit. The	
credit is earned only if the middle school teacher was certified to teach the course at the time the student was	
enrolled. Instructional Material: Century 21 computer skills and Applications, Lesson 1-90, 10th Edition Cengage Learning	Collogo Hour(s): NA
<u>Instructional Material</u> . Century 21 computer skills and Applications, Lesson 1-90, Total Edition Cengage Learning Prerequisite(s): None	College Hour(s): NA Tier III
·	
BUSINESS INFORMATION MANAGEMENT I AB (BUSIM1 AB)	BA11412AB
In Business Information Management I, students implement personal and interpersonal skills to strengthen	13011400
individual performance in the workplace and in society and make a successful transition to the workforce and	Grade level: 9 - 12
postsecondary education. Students apply technical skills to address business applications of emerging	HS Credit(s): 1
technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an	
electronic presentation using appropriate software.	C-11(-). NA
Instructional Material: Cashman Series: Microsoft Office 365 and Office 2016: Introductory, Cengage Learning, Inc. Prerequisite(s): None	College Hour(s): NA Tier III
HONORS BUSINESS INFORMATION MANAGEMENT I AB (BUSIM1 AB/H)	BAH11412AB
n addition to the regular course curriculum, students in this honors course will complete additional projects and	13011400
activities related to the program of study.	Grade level: 9 – 12
activities related to the program of study.	HS Credit(s): 1
Instructional Material: Cashman Series: Microsoft Office 365 and Office 2016: Introductory, Cengage Learning, Inc.	College Hour(s): NA
<u>mistractional material</u> . Casimian series. Microsoft Office 303 and Office 2010. Mitroductory, Cengage Learning, Mc. Prerequisite(s): None	Tier II
MONEY MATTERS AB (MONEYM AB)	FN16201AB
n Money Matters, students will investigate money management from a personal financial perceptive. Students	13016200
will apply critical-thinking skills to analyze financial options based on current and projected economic factors.	Grade level: 9 - 12
Students will gain the knowledge and skills necessary to establish short-term and long-term financial goals.	HS Credit(s): 1
Students will examine various methods of achieving short-term and long-term financial goals through various	, ,
methods such as investing, tax planning, asset allocating, risk management, retirement planning, and estate	
planning.	
Instructional Material: Contact Career and Technical Education for related materials	College Hour(s): NA
Prerequisite(s): None	Tier III
HONORS MONEY MATTERS AB (MONEYM AB/H)	FNH16201AB
n addition to the regular course curriculum, students in this honors course will complete additional projects and	13016200
activities related to the program of study.	Grade level: 9 – 12
	HS Credit(s): 1
Instructional Material: Contact Career and Technical Education for related materials	College Hour(s): NA
Prerequisite(s): None	Tier II

CHILD DEVELOPMENT AB (CHILDDEV AB)	HV24701AB
This technical laboratory course addresses knowledge and skills related to child growth and development from	13024700
prenatal through school-age children. Students are equipped with child development skills necessary to promote	Grade level: 9 - 12
the well-being and healthy development of children and to investigate careers related to the care and education	HS Credit(s): 1
of children. Students explore the principles and procedures for promoting the physical, emotional, social, and	
intellectual development of young children, including those with special needs. Topics include characteristics of	
quality childcare and career options related to the care and education of children.	6 () 1
<u>Instructional Material</u> : Child Development 8th Edition, Goodheart-Willcox Co. <u>Prerequisite(s)</u> : None	College Hour(s): NA Tier III
HONORS CHILD DEVELOPMENT AB (CHILDDEV AB/H)	HVH24701AB
In addition to the regular course curriculum, students in this honors course will complete additional projects and	13024700
activities related to the program of study.	Grade level: 9 – 12 HS Credit(s): 1
Instructional Material: Child Development 8th Edition, Goodheart-Willcox Co. Prerequisite(s): None	College Hour(s): NA Tier II
LIFETIME NUTRITION AND WELLNESS T (LNURTWEL T)	HV24501T
This laboratory course allows students to use principles of lifetime wellness and nutrition to help them make	13024500
informed choices that promote wellness. This course concentrates on nutrition, food choices, and food	Grade level: 10 - 12
management skills. Students address nutrition and food preparation from the perspective of food habits and	HS Credit(s): 0.5
wellness, menu planning, special dietary needs, food costs and budgeting, consumer food-buying strategies, food	· · · · · ·
safety and sanitation, preparation and storage practices. This course will help students gain the knowledge to	
pursue careers related to hospitality and tourism, education and training, human services, and health sciences.	
Instructional Material: Guide to Good Food, Goodheart-Willcox Co., ISBN#: 9781683111764 Prerequisite(s): None	College Hour(s): NA Tier III
HONORS LIFETIME NUTRITION AND WELLNESS T (LNURTWEL T/H)	HVH24501T
In addition to the regular course curriculum, students in this honors course will complete additional projects and	13024500
activities related to the program of study.	Grade level: 10 – 12 HS Credit(s): 0.5
Instructional Material: Guide to Good Food, Goodheart-Willcox Co., ISBN#: 9781683111764	College Hour(s): NA
Prerequisite(s): None	Tier II
CAREER PREPARATION I AB (CAREERP1 AB)	CP01300AB
This course is a paid capstone experience for students who have found employment for the school year. Career	12701300
Preparation I provides opportunities for students to participate in a work-based learning experience that	Grade level: 11 - 12
combines classroom instruction with paid business and industry employment experiences. It supports strong	HS Credit(s): 2
partnerships among school, business, and community stakeholders. The goal is to prepare students with a	` ,
variety of skills for a fast-changing workplace. Students are taught employability skills, which include job-specific	
skills applicable to their training station, job interview techniques, communication skills, financial and budget	
activities, human relations, and portfolio development. Career preparation is relevant and rigorous, supports	
student attainment of academic standards, and effectively prepares students for college and career success. A	
student must be a minimum age of 16 and hold valid work documentation, such as a Social Security card, to	
enroll in any paid learning experience course. In order to receive course credit, this course requires that students	
make a full year commitment to this course and their employment, are scheduled for 1 (one) class period of	
instruction and are employed for ten hours per week (or average of 20 hours across two weeks) at an approved	
site within ten days of the beginning of the course. Work hours can be included during the school day or	
outside of school hours. If work hours are during the school day, students can be scheduled for work release	
(noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan.	
<u>Instructional Material</u> : Contact Career and Technical Education Department for related materials <u>Prerequisite(s)</u> : None	College Hour(s): NA Tier III
CAREER PREPARATION II AB (CAREERP2 AB)	CP01400AB
The Career Preparation II course is for those students who are taking a Career Preparation course for the second	12701400
The career reparation is coarse is for those students who are taking a career reparation coarse for the second	Grade level: 12
time and continue or have new employment during the duration of the course: working ten hours per week (or	
	HS Credit(s): 2
time and continue or have new employment during the duration of the course: working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the	HS Credit(s): 2
time and continue or have new employment during the duration of the course: working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
time and continue or have new employment during the duration of the course: working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None	College Hour(s): NA Tier III
time and continue or have new employment during the duration of the course: working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB)	College Hour(s): NA Tier III CP01302AB
time and continue or have new employment during the duration of the course: working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB) This course is a paid capstone experience for students who have found employment for the school year. Career	College Hour(s): NA Tier III CP01302AB 12701305
time and continue or have new employment during the duration of the course: working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB) This course is a paid capstone experience for students who have found employment for the school year. Career Preparation I/Extended provides opportunities for students to participate in a work-based learning experience that	College Hour(s): NA Tier III CP01302AB 12701305 Grade level: 11-12
time and continue or have new employment during the duration of the course: working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB) This course is a paid capstone experience for students who have found employment for the school year. Career Preparation I/Extended provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with paid business and industry employment experiences. It supports strong	College Hour(s): NA Tier III CP01302AB 12701305
time and continue or have new employment during the duration of the course: working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB) This course is a paid capstone experience for students who have found employment for the school year. Career Preparation I/Extended provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with paid business and industry employment experiences. It supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety	College Hour(s): NA Tier III CP01302AB 12701305 Grade level: 11-12
time and continue or have new employment during the duration of the course: working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB) This course is a paid capstone experience for students who have found employment for the school year. Career Preparation I/Extended provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with paid business and industry employment experiences. It supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. Students are taught employability skills, which include job-specific skills	College Hour(s): NA Tier III CP01302AB 12701305 Grade level: 11-12
time and continue or have new employment during the duration of the course: working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB) This course is a paid capstone experience for students who have found employment for the school year. Career Preparation I/Extended provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with paid business and industry employment experiences. It supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities,	College Hour(s): NA Tier III CP01302AB 12701305 Grade level: 11-12
time and continue or have new employment during the duration of the course: working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB) This course is a paid capstone experience for students who have found employment for the school year. Career Preparation I/Extended provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with paid business and industry employment experiences. It supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Career preparation is relevant and rigorous, supports student	College Hour(s): NA Tier III CP01302AB 12701305 Grade level: 11-12
cime and continue or have new employment during the duration of the course: working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB) This course is a paid capstone experience for students who have found employment for the school year. Career Preparation I/Extended provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with paid business and industry employment experiences. It supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities,	College Hour(s): NA Tier III CP01302AB 12701305 Grade level: 11-12

must be a minimum age of 16 and hold valid work documentation, such as a Social Security card, to enroll in any	
paid learning experience course. In order to receive course credit, this course requires that students make a full	
year commitment to this course and their employment, are scheduled for 1 (one) class period of instruction and	
are employed for <u>fifteen hours per week</u> (or average of 30 hours across two weeks) at an approved site within ten	
days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to	
work as long as work release does not jeopardize students' projected graduation plan.	
nstructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): None	Tier III
CAREER PREPARATION II/EXTENDED (EXCAREE2 AB)	CP01402AB
The Career Preparation I/Extended course is for those students who are taking a Career Preparation course for the	12701405
econd time and continue or have new employment during the duration of the course; working <u>fifteen hours per</u>	Grade level: 12
<u>reek</u> (or average of 30 hours across two weeks). This course provides the same opportunities and requirements as	
he Career Preparation I/Extended course.	, ,
nstructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
<u>rerequisite(s)</u> : None	Tier III
UNDAMENTALS OF COMPUTER SCIENCE AB (TAFCS AB)	2140AB
undamentals of Computer Science is intended as a first course for those students just beginning the study of	03580140
omputer science. Students will learn about the computing tools that are used every day. Students will foster	Grade level: 9
neir creativity and innovation through opportunities to design, implement, and present solutions to real-world	HS Credit(s): 1
roblems. Students will collaborate and use computer science concepts to access, analyze, and evaluate	
formation needed to solve problems. Students will learn the problem-solving and reasoning skills that are the	
pundation of computer science. By using computer science knowledge and skills that support the work of	
ndividuals and groups in solving problems, students will select the technology appropriate for the task, In the size knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by	
esearching current laws and regulations and by practicing integrity and respect. Students will gain an	
nderstanding of the principles of computer science through the study of technology operations and concepts.	
nstructional Material: Contact Career and Technical Education Department for related materials.	College Hour(s): NA
rerequisite(s): None	Tier III
ONORS FUNDAMENTALS OF COMPUTER SCIENCE AB/H (TAFCS AB/H)	2150AB
addition to the regular course curriculum, students in this honors course will complete additional projects and	03580140
ctivities related to the program of study.	Grade level: 9
	HS Credit(s): 1
nstructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
<u>rerequisite(s)</u> : None	Tier II
OMPUTER SCIENCE I AB (TACS 1AB)	2151AB
	*WL2151AB
tudents develop a solid foundation in computer terminology and programming, binary and hexadecimal	03580200
umber systems, computer ethics (including copyright laws and privacy), and structured programming and	Grade level: 9 -12
rogramming techniques on personal computers are emphasized. Students will study and write programs	HS Credit(s): 1
tilizing the high- level languages FORTRAN, Pascal, and/ or C++. Students may be awarded one *LOTE credit	
WL2151 AB) or one elective credit (2151 AB) for successful completion of this course. Instructional Material: Contact Career and Technical Education Department for related materials (Windows	College Hour(s): NA
rogramming & Java Programming, CompuScholar; ISBN#: 9780988707009)	Tier III
rerequisite(s) (for those pursuing the course as an elective or following the Computer Science sequence): None	
rerequisite(s) (for those following the Cybersecurity sequence): Principles of Information Technology or	
oundations of Cybersecurity	
IONORS COMPUTER SCIENCE I AB/H (TACS 1AB/H)	2141AB
	*WL2141AB
addition to the regular course curriculum, students will complete additional projects and activities related to the	03580200
rogram of study. Students may be awarded one *LOTE credit (WL2141 AB) or one elective credit (2141 AB) for	Grade level: 9 - 12
uccessful completion of this course.	HS Credit(s): 1
astructional Material: Contact Career and Technical Education Department for related materials (Windows	College Hour(s): NA
rogramming & Java Programming, CompuScholar, ISBN#: 9780988707009)	Tier II
rerequisite(s) (for those pursuing the course as an elective or following the Computer Science sequence): None	
rerequisite(s) (for those following the Cybersecurity sequence): Principles of Information Technology or	
oundations of Cybersecurity	2152AP
OMPUTER SCIENCE II AB (TACS 2AB)	2153AB
	*WL2153AB
Computer Science II will foster students' creativity and innovation by presenting opportunities to design,	03580300
nplement, and present meaningful programs through a variety of media. Students will collaborate with one	Grade level: 10 – 12
nother, their instructor, and various electronic communities to solve the problems presented throughout the ourse. Through data analysis, students will identify task requirements, plan search strategies, and use computer	HS Credit(s): 1
cience concepts to access, analyze, and evaluate information needed to solve problems. By using computer	
sience concepts to access, analyze, and evaluate information needed to solve problems, by using computer	

science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, craest solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of computer science through the study of technology operations, systems, and concepts. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts. Students may be awarded one "LOTE credit (WL2143 AB) or one elective credit (2143 AB) for successful completion of this course. Instructional Material: Contact Career and Technical Education Department for related materials (Python Programming, CompuScholar) Prerequisitels; Computer Science I HONORS COMPUTER SCIENCE II AB/H (TACS 2AB/H) In addition to the regular course curriculum, students will complete additional projects and activities related to the program of study. Students may be awarded one "LOTE credit (WL2143 AB) or one elective credit (2143 AB) for successful completion of this course. Instructional Material: Contact Career and Technical Education Department for related materials (Python Programming, CompuScholar) Prerequisitels): Computer Science I AP COMPUTER SCIENCE A AB (APTACSA 1AB, APTACSAL AB, APTACSAM AB) AP Computer Science A is designed for qualified students in grades 10 - 12 who wish to complete the equivalent of a college introductory course in computer science. The course will focus on programming methodology, and procedural abstraction, It also includes the study of algorithms, data structures, and data abstraction, but covered in less depth than in the Computer Science II AB Course. The course will focus on programming methodology, and procedural abstraction, Computer Science II A	College Hour(s): NA Tier III
Instructional Material: Contact Career and Technical Education Department for related materials (Python Programming, Compuscholar) Prerequisite(s): Computer Science II AB/H (TACS 2AB/H) In addition to the regular course curriculum, students will complete additional projects and activities related to the program of study. Students may be awarded one "LOTE credit (WL2143 AB) or one elective credit (2143 AB) for successful completion of this course. Instructional Material: Contact Career and Technical Education Department for related materials (Python Programming, Compuscholar) Prerequisite(s): Computer Science I AP COMPUTER SCIENCE A AB (APTACSA 1AB, APTACSAL AB, APTACSAM AB) AP Computer Science A is designed for qualified students in grades 10 - 12 who wish to complete the equivalent of a college introductory course in computer science. The course will focus on programming methodology, and procedural abstraction. It also includes the study of algorithms, data structures, and data abstraction, but covered in less depth than in the Computer Science III AB course. The course follows the College Board AP® Computer Science A Curriculum Framework. Students must be scheduled into two of the following three course numbers for this course: 2142 AB for an elective credit, M2142 AB for a math credit, and WL2142 AB for a LOTE credit. Students will be awarded two credits for successful completion of this course. Instructional Material: Contact Career and Technical Education Department for related materials (Java Programming, CompuScholar) Prerequisite(s): Computer Science I OR Computer Science II OR AP Computer Science Principles OnRamps COMPUTER SCIENCE 1AB (TACS 1 AB OR) Thriving in Our Digital World is a new dual enrollment course that teaches computer science principles, a set of core ideas that shapes the landscape of computer science and its impact on our society. In addition to learning about the magic and beauty of computing, students will acquire essential Texas College and Career Readiness skills, applying	•
Programming, Computer Science I HONORS COMPUTER SCIENCE II AB/H (TACS 2AB/H) In addition to the regular course curriculum, students will complete additional projects and activities related to the program of study. Students may be awarded one "LOTE credit (WL2143 AB) or one elective credit (2143 AB) for successful completion of this course. Instructional Material: Contact Career and Technical Education Department for related materials (Python Programming, CompuScholar) Prerequisite(5): Computer Science I AP COMPUTER SCIENCE A AB (APTACSA 1AB, APTACSAL AB, APTACSAM AB) AP Computer Science A is designed for qualified students in grades 10 - 12 who wish to complete the equivalent of a college introductory course in computer science. The course will focus on programming methodology, and procedural abstraction. It also includes the study of algorithms, data structures, and data abstraction, but covered in less depth than in the Computer Science III AB course. The course follows the College Board AP® Computer Science All Large Course of the following three course numbers for this course: 2142 AB for an elective credit, M2142 AB for a math credit, and WL2142 AB for a LOTE credit. Students will be awarded two credits for successful completion of this course. Instructional Material: Contact Career and Technical Education Department for related materials (Java Programming, CompuScholar) Prerequisite(s): Computer Science I OR Computer Science II OR AP Computer Science Principles OnRamps COMPUTER SCIENCE 1AB (TACS 1 AB OR) Thriving in Our Digital World is a new dual enrollment course that teaches computer science principles, a set of core ideas that shapes the landscape of computer science and its impact on our society. In addition to learning about the magic and beauty of computing, students will acquire essential Texas College and Career Readiness skills, applying critical thinking, problem solving, and communication within a project-based learning framework. Students will experience high-quality curriculum desi	•
In addition to the regular course curriculum, students will complete additional projects and activities related to the program of study. Students may be awarded one *LOTE credit (WL2143 AB) or one elective credit (2143 AB) for successful completion of this course. Instructional Material: Contact Career and Technical Education Department for related materials (Python Programming, CompuScholar) Prerequisite(s): Computer Science I AP COMPUTER SCIENCE A AB (APTACSA 1AB, APTACSAL AB, APTACSAM AB) AP Computer Science A is designed for qualified students in grades 10 - 12 who wish to complete the equivalent of a college introductory course in computer science. The course will focus on programming methodology, and procedural abstraction. It also includes the study of algorithms, data structures, and data abstraction, but covered in less depth than in the Computer Science Ill AB course. The course follows the College Board AP® Computer Science A Curriculum Framework. Students must be scheduled into two of the following three course numbers for this course: 2142 AB for an elective credit, M2142 AB for a math credit, and WL2142 AB for a LOTE credit. Students will be awarded two credits for successful completion of this course. Instructional Material: Contact Career and Technical Education Department for related materials (Java Programming, CompuScholar) Prerequisite(s): Computer Science I OR Computer Science II OR AP Computer Science Principles OnRamps COMPUTER SCIENCE 1AB (TACS 1 AB OR) Thriving in Our Digital World is a new dual enrollment course that teaches computer science principles, a set of core ideas that shapes the landscape of computer science and its impact on our society. In addition to learning about the magic and beauty of computing, students will acquire essential Texas College and Career Readiness skills, applying critical thinking, problem solving, and communication within a project-based learning framework. Students will experience high-quality curriculum designed by the faculty at The Universit	
the program of study. Students may be awarded one *LOTE credit (WL2143 AB) or one elective credit (2143 AB) for successful completion of this course. Instructional Material: Contact Career and Technical Education Department for related materials (Python Programming, CompuScholar) Prerequisite(s): Computer Science I AP COMPUTER SCIENCE A AB (APTACSA 1AB, APTACSAL AB, APTACSAM AB) AP Computer Science A is designed for qualified students in grades 10 - 12 who wish to complete the equivalent of a college introductory course in computer science. The course will focus on programming methodology, and procedural abstraction, It also includes the study of algorithms, data structures, and data abstraction, but covered in less depth than in the Computer Science III AB course. The course follows the College Board AP ® Computer Science A Curriculum Framework. Students must be scheduled into two of the following three course numbers for this course: 2142 AB for an elective credit, M2142 AB for a math credit, and WL2142 AB for a LOTE credit. Students will be awarded two credits for successful completion of this course. Instructional Material: Contact Career and Technical Education Department for related materials (Java Programming, CompuScholar) Prerequisite(s): Computer Science I OR Computer Science II OR AP Computer Science Principles OnRamps COMPUTER SCIENCE 1AB (TACS 1 AB OR) Thriving in Our Digital World is a new dual enrollment course that teaches computer science principles, a set of core ideas that shapes the landscape of computing, students will acquire essential Texas College and Career Readiness skills, applying critical thinking, problem solving, and communication within a project-based learning framework. Students will experience high-quality curriculum designed by the faculty at The University of Texas at Austin (UT). Students can earn three hours of UT credit with feedback and assessment provided by UT course staff. OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, student	2143AB *WL2143AB
Instructional Material: Contact Career and Technical Education Department for related materials (Python Programming, CompuScholar) Prerequisite(s): Computer Science I AP COMPUTER SCIENCE A AB (APTACSA 1AB, APTACSAL AB, APTACSAM AB) AP Computer Science A is designed for qualified students in grades 10 - 12 who wish to complete the equivalent of a college introductory course in computer science. The course will focus on programming methodology, and procedural abstraction. It also includes the study of algorithms, data structures, and data abstraction, but covered in less depth than in the Computer Science III AB course. The course follows the College Board AP® Computer Science A Curriculum Framework. Students must be scheduled into two of the following three course numbers for this course: 2142 AB for an elective credit, M2142 AB for a math credit, and WL2142 AB for a LOTE credit. Students will be awarded two credits for successful completion of this course. Instructional Material: Contact Career and Technical Education Department for related materials (Java Programming, CompuScholar) Prerequisite(s): Computer Science I OR Computer Science II OR AP Computer Science Principles OnRamps COMPUTER SCIENCE 1AB (TACS 1 AB OR) Thriving in Our Digital World is a new dual enrollment course that teaches computer science principles, a set of core ideas that shapes the landscape of computer science and its impact on our society. In addition to learning about the magic and beauty of computing, students will acquire essential Texas College and Career Readiness skills, applying critical thinking, problem solving, and communication within a project-based learning framework. Students will experience high-quality curriculum designed by the faculty at The University of Texas at Austin (UT). Students can earn three hours of UT credit with feedback and assessment provided by UT course staff. OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, students meet rigorous university-level college readiness s	03580300 Grade level: 10 – 12 HS Credit(s): 1
AP COMPUTER SCIENCE A AB (APTACSA 1AB, APTACSAL AB, APTACSAM AB) AP Computer Science A is designed for qualified students in grades 10 - 12 who wish to complete the equivalent of a college introductory course in computer science. The course will focus on programming methodology, and procedural abstraction. It also includes the study of algorithms, data structures, and data abstraction, but covered in less depth than in the Computer Science III AB course. The course follows the College Board AP® Computer Science A Curriculum Framework. Students must be scheduled into two of the following three course numbers for this course: 2142 AB for an elective credit, M2142 AB for a math credit, and WL2142 AB for a LOTE credit. Students will be awarded two credits for successful completion of this course. Instructional Material: Contact Career and Technical Education Department for related materials (Java Programming, CompuScholar) Prerequisite(s): Computer Science I OR Computer Science II OR AP Computer Science Principles OnRamps COMPUTER SCIENCE 1AB (TACS 1 AB OR) Thriving in Our Digital World is a new dual enrollment course that teaches computer science principles, a set of core ideas that shapes the landscape of computer science and its impact on our society. In addition to learning about the magic and beauty of computing, students will acquire essential Texas College and Career Readiness skills, applying critical thinking, problem solving, and communication within a project-based learning framework. Students will experience high-quality curriculum designed by the faculty at The University of Texas at Austin (UT). Students can earn three hours of UT credit with feedback and assessment provided by UT course staff. OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, students meet rigorous university-level college readiness standards and have the opportunity to earn UT Austin credit from a UT faculty member and high school credit from their local teacher. Instructional Material: Selected	College Hour(s): NA Tier II
of a college introductory course in computer science. The course will focus on programming methodology, and procedural abstraction. It also includes the study of algorithms, data structures, and data abstraction, but covered in less depth than in the Computer Science III AB course. The course follows the College Board AP® Computer Science A Curriculum Framework. Students must be scheduled into two of the following three course numbers for this course: 2142 AB for an elective credit, M2142 AB for a math credit, and WL2142 AB for a LOTE credit. Students will be awarded two credits for successful completion of this course. Instructional Material: Contact Career and Technical Education Department for related materials (Java Programming, CompuScholar) Prerequisite(s): Computer Science I OR Computer Science II OR AP Computer Science Principles OnRamps COMPUTER SCIENCE 1AB (TACS 1 AB OR) Thriving in Our Digital World is a new dual enrollment course that teaches computer science principles, a set of core ideas that shapes the landscape of computer science and its impact on our society. In addition to learning about the magic and beauty of computing, students will acquire essential Texas College and Career Readiness skills, applying critical thinking, problem solving, and communication within a project-based learning framework. Students will experience high-quality curriculum designed by the faculty at The University of Texas at Austin (UT). Students can earn three hours of UT credit with feedback and assessment provided by UT course staff. OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, students meet rigorous university-level college readiness standards and have the opportunity to earn UT Austin credit from a UT faculty member and high school credit from their local teacher. Instructional Material: Selected and provided by the University of Texas at Austin Recommended Prerequisite(s): Algebra I (preferred) Prerequisite(s): Algebra I	2142AB *WL2142AB **M2142AB
Programming, CompuScholar) Prerequisite(s): Computer Science I OR Computer Science II OR AP Computer Science Principles OnRamps COMPUTER SCIENCE 1AB (TACS 1 AB OR) Thriving in Our Digital World is a new dual enrollment course that teaches computer science principles, a set of core ideas that shapes the landscape of computer science and its impact on our society. In addition to learning about the magic and beauty of computing, students will acquire essential Texas College and Career Readiness skills, applying critical thinking, problem solving, and communication within a project-based learning framework. Students will experience high-quality curriculum designed by the faculty at The University of Texas at Austin (UT). Students can earn three hours of UT credit with feedback and assessment provided by UT course staff. OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, students meet rigorous university-level college readiness standards and have the opportunity to earn UT Austin credit from a UT faculty member and high school credit from their local teacher. Instructional Material: Selected and provided by the University of Texas at Austin Recommended Prerequisite(s): Algebra II (preferred) Prerequisite(s): Algebra I What's Next? NA AP COMPUTER SCIENCE PRINCIPLES AB (APTACS PRIN)	A3580120, A3580120, A3580110 Grade level: 10 - 12 HS Credit(s): 2
OnRamps COMPUTER SCIENCE 1AB (TACS 1 AB OR) Thriving in Our Digital World is a new dual enrollment course that teaches computer science principles, a set of core ideas that shapes the landscape of computer science and its impact on our society. In addition to learning about the magic and beauty of computing, students will acquire essential Texas College and Career Readiness skills, applying critical thinking, problem solving, and communication within a project-based learning framework. Students will experience high-quality curriculum designed by the faculty at The University of Texas at Austin (UT). Students can earn three hours of UT credit with feedback and assessment provided by UT course staff. OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, students meet rigorous university-level college readiness standards and have the opportunity to earn UT Austin credit from a UT faculty member and high school credit from their local teacher. Instructional Material: Selected and provided by the University of Texas at Austin Recommended Prerequisite(s): Algebra II (preferred) Prerequisite(s): Algebra I What's Next? NA AP COMPUTER SCIENCE PRINCIPLES AB (APTACS PRIN)	College Hour(s): NA Tier I
Thriving in Our Digital World is a new dual enrollment course that teaches computer science principles, a set of core ideas that shapes the landscape of computer science and its impact on our society. In addition to learning about the magic and beauty of computing, students will acquire essential Texas College and Career Readiness skills, applying critical thinking, problem solving, and communication within a project-based learning framework. Students will experience high-quality curriculum designed by the faculty at The University of Texas at Austin (UT). Students can earn three hours of UT credit with feedback and assessment provided by UT course staff. OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, students meet rigorous university-level college readiness standards and have the opportunity to earn UT Austin credit from a UT faculty member and high school credit from their local teacher. Instructional Material: Selected and provided by the University of Texas at Austin Recommended Prerequisite(s): Algebra II (preferred) Prerequisite(s): Algebra I What's Next? NA AP COMPUTER SCIENCE PRINCIPLES AB (APTACS PRIN)	245040
core ideas that shapes the landscape of computer science and its impact on our society. In addition to learning about the magic and beauty of computing, students will acquire essential Texas College and Career Readiness skills, applying critical thinking, problem solving, and communication within a project-based learning framework. Students will experience high-quality curriculum designed by the faculty at The University of Texas at Austin (UT). Students can earn three hours of UT credit with feedback and assessment provided by UT course staff. OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, students meet rigorous university-level college readiness standards and have the opportunity to earn UT Austin credit from a UT faculty member and high school credit from their local teacher. Instructional Material: Selected and provided by the University of Texas at Austin Recommended Prerequisite(s): Algebra II (preferred) Prerequisite(s): Algebra I What's Next? NA AP COMPUTER SCIENCE PRINCIPLES AB (APTACS PRIN)	2159AB
Instructional Material: Selected and provided by the University of Texas at Austin Recommended Prerequisite(s): Algebra II (preferred) Prerequisite(s): Algebra I What's Next? NA AP COMPUTER SCIENCE PRINCIPLES AB (APTACS PRIN)	A3580300 Grade level: 10 - 12 HS Credit(s): 1
AP COMPUTER SCIENCE PRINCIPLES AB (APTACS PRIN)	College Hour(s): 3 hours Tier I
	2157AB *WL2157AB
computational content, computational thinking skills, creative aspects of the field and their impact on the world. Students will be provided the opportunity to investigate the innovations in other fields of computing while examining the ethical implications of new computing technologies. The course follows the College Board AP® Computer Science Principles Curriculum Framework. Students may be awarded one *LOTE credit (TAWL2157 AB) or one elective credit (TA2157 AB) for successful completion of this course.	
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s) (for those pursuing the course as an elective): None Prerequisite(s) (for those following the Cybersecurity sequence): Honors PLTW Computer Science Essentials or Foundations of Cybersecurity Prerequisite(s) (for those following the Computer Science sequence): None	A3580300 Grade level: 10 – 12 HS Credit(s): 1



Agriculture, Food, and Natural Resources

Animal Science

Agricultural Technology and Mechanical Systems

To reach CTE Completer status, students complete and pass three or more 19 TAC Chapter 126 (C), 127 (B), or 130 CTE courses for four or more credits within a program of study, including at least one level three or level four course from the same program of study.

Courses

ANIMAL SCIENCE

9th Principles of Agriculture, Food, and Natural Resources:

AG00201 AB OR AGH00201 AB

Small Animal Management T:

AG00402 T OR AGH00402 T

10th AND

Equine Science T:

AG00501 T OR AGH00501 T

11th Livestock Production¹:

AG00302 AB OR AGH00302 AB

Veterinary Medical Applications/Lab/d²:

AG00610 AB OR: AGH00610 AB

OR

Unpaid Practicum in Agriculture, Food, and Natural Resources/d:

AG02502 AB OR AGH02502 AB

12th OR

Paid Practicum in Agriculture, Food, and Natural Resources:

AG02505 AB OR AGH02505 AB

OR

Honors Project-Based Research:

CPH01500 AB

Enrichment Courses:

- Floral Design⁴: AG01802 AB OR Honors: AGH01802 AB
- Advanced Animal Science: AG00702 AB OR Honors: AGH00702 AB
- Wildlife, Fisheries and Ecology Management: AG01501 AB OR Honors: AGH01501 AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Feedyard Technician in Cattle Care and Handling¹; Certified Veterinary Assistant²
- Not counted toward Performance Acknowledgment: N/A

Available at:

- Arlington Heights HS
- Diamond Hill-Jarvis HS

Animal Science program of study focuses on the science, research, and business of animals and other living organisms. It teaches students how to apply biology and life science to real-world life processes of animals and wildlife, either in laboratories or in the field, which could include a veterinary office, a farm or ranch, or any outdoor area harboring animal life. Students may also research and analyze the growth and destruction of species and research or diagnose diseases and injuries of animals.



The Agriculture, Food, and Natural Resources (AFNR) Career Cluster focuses on the essential elements of life—food, water, land, and air. This career cluster includes a diverse spectrum of occupations, ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist.

Successful completion of the Animal Science program of study will fulfill requirements of a Business and Industry or STEM endorsement if the math and science requirements are met. Revised - July 2020

Courses

APPLIED AGRICULTURAL ENGINEERING

Agricultural Technology and Mechanical Systems

9th Principles of Agriculture, Food, and Natural Resources:

AG00201 AB OR AGH00201 AB

Agricultural Mechanics and 10th Metal Technologies¹:

AG00203 AB OR AGH00203 AB

Agricultural Structures Design and 11th Fabrications/Lab/d^{2,3,4}:

AG02310 AB OR AGH02310 AB

Agricultural Equipment Design and Fabrication/Lab/d:

AG02360 AB OR AGH02360 AB OR

Unpaid Practicum in Agriculture, Food, and Natural Resources/d:

12th AG02502 AB OR AGH02502 AB

Paid Practicum in Agriculture, Food, and Natural Resources:

AG02505 AB OR AGH02505 AB OR

Honors Project-Based Research: CPH01500 AB

Enrichment Courses:

- Floral Design⁴: AG01802 AB OR AGH01802 AB
- Wildlife, Fisheries and Ecology Management: AG01501 AB OR AGH01501 AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: AWS D1.1 Structural Welding²; AWS D9.1 - Sheet Metal³; Feedyard Technician in Machinery, Operation, Repair and Maintenance⁴ Certifications
- Not Counted towards Performance Acknowledgment: OSHA 10-Hour Agriculture Industry Certification¹

Available at:

• Arlington Heights HS

The Applied Agricultural Engineering program of study explores the occupations and educational opportunities associated with applying knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing agricultural products. This program of study may also include exploration into diagnosing, repairing, or overhauling farm machinery and vehicles, such as tractors, harvesters, dairy equipment, and irrigation systems.



The Agriculture, Food, and Natural Resources (AFNR) Career Cluster® focuses on the essential elements of life—food, water, land, and air. This career cluster includes a diverse spectrum of occupations, ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist. It also includes non-traditional agricultural occupations like wind energy, solar energy, and oil and gas production.

Successful completion of the Applied Agricultural Engineering program of study will fulfill requirements of a Business and Industry or STEM endorsement if the math and science requirements are met. Revised – July 2020

COURSE DESCRIPTIONS FOR AGRICULTURE, FOOD & NATURAL RESOURCES CLASSES

PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES AB (PRINAFNR AB)	AG00201AB
Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills	13000200
egarding career and educational opportunities, personal development, globalization, industry standards, details,	Grade level: 9 - 10
practices, and expectations	HS Credit(s): 1
nstructional Material: Principles of Agriculture, Food & Natural Resources, Goodheart-Willcox Co.	College Hour(s): NA
Prerequisite(s): None	Tier III
Offered only at: Arlington Heights and Diamond Hill-Jarvis	
HONORS PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES AB	AGH00201AB
PRINAFNR AB/H)	
n addition to the regular course curriculum, students in this honors course will complete additional projects and	13000200
activities related to the program of study.	Grade level: 9 – 10
nstructional Material: Principles of Agriculture, Food & Natural Resources, Goodheart-Willcox Co	HS Credit(s): 1
Prerequisite(s): None	College Hour(s): NA
Offered only at: Arlington Heights and Diamond Hill-Jarvis	Tier II
ADVANCED ANIMAL SCIENCE AB (ADVANSCI AB)	AG00702AB
Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of	13000700
vestock production. Instruction is designed to allow for the application of scientific and technological aspects of	Grade level: 11-12
nimal science through field and laboratory experiences.	HS Credit(s): 1
nstructional Material: ICEV Agricultural Science, CEV Multimedia Ltd.	College Hour(s): NA
<u>Prerequisite(s)</u> : Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry; and	Tier III
either Small Animal Management, Equine Science, or Livestock Production	-
Offered only at: Arlington Heights and Diamond Hill-Jarvis	
HONORS ADVANCED ANIMAL SCIENCE AB (ADVANSCI AB/H)	AGH00702AB
n addition to the regular course curriculum, students in this honors course will complete additional projects and	13000700
ictivities related to the program of study.	Grade level: 11-12
nstructional Material: ICEV Agricultural Science, CEV Multimedia Ltd.	HS Credit(s): 1
Prerequisite(s): Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry; and	College Hour(s): NA
either Small Animal Management, Equine Science, or Livestock Production	Tier II
Course taught by certified in Agriculture and highly qualified or meet HOUSE in science.	
Offered only at: Arlington Heights and Diamond Hill-Jarvis	
QUINE SCIENCE T (EQUINSCI T)	AG00501T
n Equine Science, students will acquire knowledge and skills related to equine animal systems and the equine	13000500
ndustry. Equine Science may address topics related to horses, donkeys, and mules.	Grade level: 10 – 12
nstructional Material: ICEV Agricultural Science Site, CEV Multimedia Ltd.	HS Credit(s): 0.5
Prerequisite(s): Principles of Agriculture, Food, and Natural Resources	College Hour(s): NA
Offered only at: Arlington Heights and Diamond Hill-Jarvis	Tier III
HONORS EQUINE SCIENCE T (EQUINSCI T/H)	AGH00501T
n addition to the regular course curriculum, students in this honors course will complete additional projects and	13000500
activities related to the program of study.	Grade level: 10 – 12
nstructional Material: ICEV Agricultural Science Site, CEV Multimedia Ltd.	HS Credit(s): 0.5
Prerequisite(s): Principles of Agriculture, Food, and Natural Resources	College Hour(s): NA
<u>Herequisite(s)</u> . Finiciples of Agricultule, 1900, and Natural Resources Offered only at: Arlington Heights and Diamond Hill-Jarvis	Tier II
IVESTOCK PRODUCTION AB (LIVEPROD AB)	AG00302AB
n Livestock Production, students will acquire knowledge and skills related to livestock and the livestock	13000302AB
production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep,	
production industry. Livestock Production may address topics related to beer cattle, dairy cattle, swine, sneep, poats, and poultry.	Grade level: 10 – 12 HS Credit(s): 1
nstructional Material: Introduction to Livestock & Companion Animals 5e, Pearson Education	
·	College Hour(s): NA
Prerequisite(s): Equine Science T or Small Animal Management T	Tier III
Offered only at: Arlington Heights and Diamond Hill-Jarvis	ACU00202AB
HONORS LIVESTOCK PRODUCTION AB (LIVEPROD AB/H)	AGH00302AB
n addition to the regular course curriculum, students in this honors course will complete additional projects and	13000300
ctivities related to the program of study.	Grade level: 10 – 12
nstructional Material: Introduction to Livestock & Companion Animals 5e, Pearson Education	HS Credit(s): 1
Source Clare Control of the Control of Contr	College Hour(s): NA
· · · · · · · · · · · · · · · · · · ·	T! II
Offered only at: Arlington Heights and Diamond Hill-Jarvis	Tier II
Offered only at: Arlington Heights and Diamond Hill-Jarvis SMALL ANIMAL MANAGEMENT T (SMANIMGT T)	AG00402T
Prerequisite(s): Equine Science T or Small Animal Management T Differed only at: Arlington Heights and Diamond Hill-Jarvis SMALL ANIMAL MANAGEMENT T (SMANIMGT T) In Small Animal Management, Students will acquire knowledge and skills related to small animals and the small	AG00402T 13000400
Offered only at: Arlington Heights and Diamond Hill-Jarvis SMALL ANIMAL MANAGEMENT T (SMANIMGT T) In Small Animal Management, students will acquire knowledge and skills related to small animals and the small unimal management industry. Small Animal Management may address topics related to small mammals such as	AG00402T 13000400 Grade level: 10 - 12
ffered only at: Arlington Heights and Diamond Hill-Jarvis MALL ANIMAL MANAGEMENT T (SMANIMGT T) Small Animal Management, students will acquire knowledge and skills related to small animals and the small	AG00402T 13000400

Instructional Material: ICEV Agricultural Science Site, CEV Multimedia Ltd.	College Hour(s): NA
<u>Prerequisite(s)</u> : Principles of Agriculture, Food, and Natural Resources Offered only at: Arlington Heights and Diamond Hill-Jarvis	Tier III
HONORS SMALL ANIMAL MANAGEMENT T (SMANIMGT T/H)	AGH00402T
In addition to the regular course curriculum, curriculum enhancements for the honors course include web	13000400
research, integration of applications to increase productivity in animal husbandry, and problem solving in other	Grade level: 10 - 12
dvanced livestock production processes. In addition to the regular course curriculum, students in this honors	HS Credit(s): 0.5
ourse will complete additional projects and activities related to the program of study.	
nstructional Material: ICEV Agricultural Science Site, CEV Multimedia Ltd.	College Hour(s): NA
Prerequisite(s): Principles of Agriculture, Food, and Natural Resources	Tier II
Offered only at: Arlington Heights and Diamond Hill-Jarvis	4.C00C10AD
YETERINARY MEDICAL APPLICATIONS/LAB/D AB (VETMEDLAB AB) Yeterinary Medical Applications covers topics relating to veterinary practices, including practices for large and	AG00610AB 13000610
mall animal species. This course provides students a laboratory and/or field experience opportunity. To prepare	Grade level: 11-12
or careers in agriculture, food, and natural resources, students must acquire knowledge and skills that meet	HS Credit(s): 2
entry requirements and industry expectations. To prepare for success, students need opportunities to learn,	()
einforce, apply, and transfer academic knowledge and technical skills in a variety of settings in preparation for	
n industry certification, the workforce and/or higher education in this field.	
nstructional Material: ICEV Agricultural Science Site, CEV Multimedia Ltd.	College Hour(s): NA
rerequisite(s): Small Animal Management and/or Equine Science	Tier III
Offered only at: Arlington Heights and Diamond Hill-Jarvis HONORS VETERINARY MEDICAL APPLICATIONS/LAB/D AB (VETMEDLAB AB/H)	AGUM610AD
n addition to the regular course curriculum, curriculum enhancements for the honors course include web	AGH00610AB 13000610
esearch, integration of applications to increase skills in basic handling of animals and administration of medicines	Grade level: 11-12
and medical procedures, and problem solving in other advanced veterinary applications. In addition to the	HS Credit(s): 2
egular course curriculum, students in this honors course will complete additional projects and activities related	• •
o the program of study.	
nstructional Material: ICEV Agricultural Science Site, CEV Multimedia Ltd.	College Hour(s): NA
Prerequisite(s): Small Animal Management and/or Equine Science	Tier II
Offered only at: Arlington Heights and Diamond Hill-Jarvis MUDITEE FISHERIES AND ECOLOGY MANAGEMENT AR (WEECGT AR)	AG01E01AP
WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT AB (WFECGT AB) Wildlife, Fisheries, and Ecology Management examines the management of game and non-game wildlife species,	AG01501AB 13001500
ish, and aqua crops and their ecological needs as related to current agricultural practices. To prepare for	Grade level: 10 - 12
success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety	HS Credit(s): 1
of settings.	
Instructional Material: Wildlife & Natural Resources Management, Cengage Learning Inc.	College Hour(s): NA
	Tier III
Offered only at: Arlington Heights	
Prerequisite(s): Principles of Agriculture, Food, and Natural Resources Offered only at: Arlington Heights HONORS WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT AB (WFECGT AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web	AGH01501AB 13001500
Offered only at: Arlington Heights HONORS WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT AB (WFECGT AB/H) n addition to the regular course curriculum, curriculum enhancements for the honors course include web research, integration of applications to increase productivity in wildlife management and aquaculture production,	AGH01501AB
Offered only at: Arlington Heights HONORS WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT AB (WFECGT AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web research, integration of applications to increase productivity in wildlife management and aquaculture production, and problem solving with habitat management. In addition to the regular course curriculum, students in this	AGH01501AB 13001500
Offered only at: Arlington Heights HONORS WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT AB (WFECGT AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web research, integration of applications to increase productivity in wildlife management and aquaculture production, and problem solving with habitat management. In addition to the regular course curriculum, students in this monors course will complete additional projects and activities related to the program of study.	AGH01501AB 13001500 Grade level: 11 - 12 HS Credit(s): 1
Offered only at: Arlington Heights HONORS WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT AB (WFECGT AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web research, integration of applications to increase productivity in wildlife management and aquaculture production, and problem solving with habitat management. In addition to the regular course curriculum, students in this monors course will complete additional projects and activities related to the program of study. Instructional Material: Wildlife & Natural Resources Management, Cengage Learning Inc.	AGH01501AB 13001500 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA
Offered only at: Arlington Heights HONORS WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT AB (WFECGT AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web research, integration of applications to increase productivity in wildlife management and aquaculture production, and problem solving with habitat management. In addition to the regular course curriculum, students in this monors course will complete additional projects and activities related to the program of study. Instructional Material: Wildlife & Natural Resources Management, Cengage Learning Inc. Pererequisite(s): Principles of Agriculture, Food, and Natural Resources	AGH01501AB 13001500 Grade level: 11 - 12 HS Credit(s): 1
Offered only at: Arlington Heights HONORS WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT AB (WFECGT AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web esearch, integration of applications to increase productivity in wildlife management and aquaculture production, and problem solving with habitat management. In addition to the regular course curriculum, students in this nonors course will complete additional projects and activities related to the program of study. Instructional Material: Wildlife & Natural Resources Management, Cengage Learning Inc. Pererequisite(s): Principles of Agriculture, Food, and Natural Resources Offered only at: Arlington Heights	AGH01501AB 13001500 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier II
Offered only at: Arlington Heights HONORS WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT AB (WFECGT AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web research, integration of applications to increase productivity in wildlife management and aquaculture production, and problem solving with habitat management. In addition to the regular course curriculum, students in this monors course will complete additional projects and activities related to the program of study. Instructional Material: Wildlife & Natural Resources Management, Cengage Learning Inc. Pererequisite(s): Principles of Agriculture, Food, and Natural Resources Offered only at: Arlington Heights FLORAL DESIGN AB (FLORAL AB)	AGH01501AB 13001500 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA
Offered only at: Arlington Heights HONORS WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT AB (WFECGT AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web research, integration of applications to increase productivity in wildlife management and aquaculture production, and problem solving with habitat management. In addition to the regular course curriculum, students in this monors course will complete additional projects and activities related to the program of study. Instructional Material: Wildlife & Natural Resources Management, Cengage Learning Inc. Pererequisite(s): Principles of Agriculture, Food, and Natural Resources Offered only at: Arlington Heights FLORAL DESIGN AB (FLORAL AB) Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques	AGH01501AB 13001500 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier II AG01802AB
Offered only at: Arlington Heights HONORS WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT AB (WFECGT AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web research, integration of applications to increase productivity in wildlife management and aquaculture production, and problem solving with habitat management. In addition to the regular course curriculum, students in this monors course will complete additional projects and activities related to the program of study. Instructional Material: Wildlife & Natural Resources Management, Cengage Learning Inc. Pererequisite(s): Principles of Agriculture, Food, and Natural Resources Offered only at: Arlington Heights FLORAL DESIGN AB (FLORAL AB) Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and	AGH01501AB 13001500 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier II AG01802AB 13001800
Offered only at: Arlington Heights HONORS WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT AB (WFECGT AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web research, integration of applications to increase productivity in wildlife management and aquaculture production, and problem solving with habitat management. In addition to the regular course curriculum, students in this monors course will complete additional projects and activities related to the program of study. Instructional Material: Wildlife & Natural Resources Management, Cengage Learning Inc. Pererequisite(s): Principles of Agriculture, Food, and Natural Resources Offered only at: Arlington Heights FLORAL DESIGN AB (FLORAL AB) Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the	AGH01501AB 13001500 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier II AG01802AB 13001800 Grade level: 11 - 12
Offered only at: Arlington Heights HONORS WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT AB (WFECGT AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web research, integration of applications to increase productivity in wildlife management and aquaculture production, and problem solving with habitat management. In addition to the regular course curriculum, students in this monors course will complete additional projects and activities related to the program of study. Instructional Material: Wildlife & Natural Resources Management, Cengage Learning Inc. Pererequisite(s): Principles of Agriculture, Food, and Natural Resources Offered only at: Arlington Heights FLORAL DESIGN AB (FLORAL AB) Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations.	AGH01501AB 13001500 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier II AG01802AB 13001800 Grade level: 11 - 12 HS Credit(s): 1
ADMORS WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT AB (WFECGT AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web research, integration of applications to increase productivity in wildlife management and aquaculture production, and problem solving with habitat management. In addition to the regular course curriculum, students in this monors course will complete additional projects and activities related to the program of study. Instructional Material: Wildlife & Natural Resources Management, Cengage Learning Inc. Pererequisite(s): Principles of Agriculture, Food, and Natural Resources Offered only at: Arlington Heights FLORAL DESIGN AB (FLORAL AB) Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through he analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. Instructional Material: Principles of Floral Design: An Illustrated Guide, Goodheart-Willcox Co.	AGH01501AB 13001500 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier II AG01802AB 13001800 Grade level: 11 - 12 HS Credit(s): 1
And problems of the regular course curriculum, curriculum enhancements for the honors course include web research, integration of applications to increase productivity in wildlife management and aquaculture production, and problem solving with habitat management. In addition to the regular course curriculum, students in this monors course will complete additional projects and activities related to the program of study. Instructional Material: Wildlife & Natural Resources Management, Cengage Learning Inc. Pererequisite(s): Principles of Agriculture, Food, and Natural Resources Offered only at: Arlington Heights FLORAL DESIGN AB (FLORAL AB) Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. Instructional Material: Principles of Floral Design: An Illustrated Guide, Goodheart-Willcox Co. Pererequisite(s):	AGH01501AB 13001500 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier II AG01802AB 13001800 Grade level: 11 - 12 HS Credit(s): 1
ACTION AND ACTION ACTION AND ACTION ACTION AND ACTION AND ACTION AND ACTION AND ACTION AND ACTION A	AGH01501AB 13001500 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier II AG01802AB 13001800 Grade level: 11 - 12 HS Credit(s): 1
HONORS WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT AB (WFECGT AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web desearch, integration of applications to increase productivity in wildlife management and aquaculture production, and problem solving with habitat management. In addition to the regular course curriculum, students in this monors course will complete additional projects and activities related to the program of study. Instructional Material: Wildlife & Natural Resources Management, Cengage Learning Inc. Perequisite(s): Principles of Agriculture, Food, and Natural Resources Offered only at: Arlington Heights FLORAL DESIGN AB (FLORAL AB) Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques delated to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. Instructional Material: Principles of Floral Design: An Illustrated Guide, Goodheart-Willcox Co. Perequisite(s): Feacher must be highly qualified in fine arts. Offered only at: Arlington Heights and Diamond Hill-Jarvis	AGH01501AB 13001500 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier II AG01802AB 13001800 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier III
HONORS WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT AB (WFECGT AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web research, integration of applications to increase productivity in wildlife management and aquaculture production, and problem solving with habitat management. In addition to the regular course curriculum, students in this monors course will complete additional projects and activities related to the program of study. Instructional Material: Wildlife & Natural Resources Management, Cengage Learning Inc. Perequisite(s): Principles of Agriculture, Food, and Natural Resources Offered only at: Arlington Heights FLORAL DESIGN AB (FLORAL AB) Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. Instructional Material: Principles of Floral Design: An Illustrated Guide, Goodheart-Willcox Co. Perequisite(s): Teacher must be highly qualified in fine arts. Offered only at: Arlington Heights and Diamond Hill-Jarvis HONORS FLORAL DESIGN AB/H (FLORAL AB/H)	AGH01501AB 13001500 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier II AG01802AB 13001800 Grade level: 11 - 12 HS Credit(s): 1
HONORS WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT AB (WFECGT AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web research, integration of applications to increase productivity in wildlife management and aquaculture production, and problem solving with habitat management. In addition to the regular course curriculum, students in this monors course will complete additional projects and activities related to the program of study. Instructional Material: Wildlife & Natural Resources Management, Cengage Learning Inc. Pererequisite(s): Principles of Agriculture, Food, and Natural Resources Offered only at: Arlington Heights FLORAL DESIGN AB (FLORAL AB) Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. Instructional Material: Principles of Floral Design: An Illustrated Guide, Goodheart-Willcox Co. Pererequisite(s): Feacher must be highly qualified in fine arts. Offered only at: Arlington Heights and Diamond Hill-Jarvis HONORS FLORAL DESIGN AB/H (FLORAL AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web	AGH01501AB 13001500 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier II AG01802AB 13001800 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier III AGH01802AB
HONORS WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT AB (WFECGT AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web research, integration of applications to increase productivity in wildlife management and aquaculture production, and problem solving with habitat management. In addition to the regular course curriculum, students in this monors course will complete additional projects and activities related to the program of study. Instructional Material: Wildlife & Natural Resources Management, Cengage Learning Inc. Pererequisite(s): Principles of Agriculture, Food, and Natural Resources Offered only at: Arlington Heights FLORAL DESIGN AB (FLORAL AB) Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. Instructional Material: Principles of Floral Design: An Illustrated Guide, Goodheart-Willcox Co. Pererequisite(s): Floracher must be highly qualified in fine arts. Offered only at: Arlington Heights and Diamond Hill-Jarvis HONORS FLORAL DESIGN AB/H (FLORAL AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web research, integration of applications to increase expertise with floral structures and aesthetics, and problem solving or product shelf-life marketability. In addition to the regular course curriculum, students in this honors course	AGH01501AB 13001500 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier II AG01802AB 13001800 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier III AGH01802AB 13001800
HONORS WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT AB (WFECGT AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web research, integration of applications to increase productivity in wildlife management and aquaculture production, and problem solving with habitat management. In addition to the regular course curriculum, students in this monors course will complete additional projects and activities related to the program of study. Instructional Material: Wildlife & Natural Resources Management, Cengage Learning Inc. Pererequisite(s): Principles of Agriculture, Food, and Natural Resources Offered only at: Arlington Heights FLORAL DESIGN AB (FLORAL AB) Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. Instructional Material: Principles of Floral Design: An Illustrated Guide, Goodheart-Willcox Co. Pererequisite(s): Ferencer must be highly qualified in fine arts. Offered only at: Arlington Heights and Diamond Hill-Jarvis HONORS FLORAL DESIGN AB/H (FLORAL AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web research, integration of applications to increase expertise with floral structures and aesthetics, and problem solving or product shelf-life marketability. In addition to the regular course curriculum, students in this honors course will complete additional projects and activities related to the program of study.	AGH01501AB 13001500 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier II AG01802AB 13001800 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier III AGH01802AB 13001800 Grade level: 11 - 12 HS Credit(s): 1
HONORS WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT AB (WFECGT AB/H) In addition to the regular course curriculum, curriculum enhancements for the honors course include web research, integration of applications to increase productivity in wildlife management and aquaculture production, and problem solving with habitat management. In addition to the regular course curriculum, students in this monors course will complete additional projects and activities related to the program of study. Instructional Material: Wildlife & Natural Resources Management, Cengage Learning Inc. Pererequisite(s): Principles of Agriculture, Food, and Natural Resources Offered only at: Arlington Heights FLORAL DESIGN AB (FLORAL AB) Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. Instructional Material: Principles of Floral Design: An Illustrated Guide, Goodheart-Willcox Co. Pererequisite(s): Teacher must be highly qualified in fine arts. Offered only at: Arlington Heights and Diamond Hill-Jarvis	AGH01501AB 13001500 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier II AG01802AB 13001800 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier III AGH01802AB 13001800 Grade level: 11 - 12

NPAID PRACTICUM IN AGRICULTURE, FOOD, AND NATURAL RESOURCES/D AB PRACAFNR1 AB)	AG02502AB
is practicum course is an unpaid capstone experience for students participating in a coherent sequence of reer and technical education courses within the designated program of study. This course is designed to give udents supervised practical application of knowledge and skills. Practicum capstone experiences can occur in variety of locations appropriate to the nature and level of experiences such as independent study, sistantships, mentorships, or laboratories. The various in-class capstone experiences include students working	13002500 Grade level: 11 - 12 HS Credit(s): 2
a simulated environment, running an enterprise, or be involved in program-specific local projects the school is approved for this class. Additional capstone experiences also include students being selected to be a part a work-based experience or industry training off-site, outside of school.	
structional Material: ICEV Agricultural Science Site, CEV Multimedia Ltd. erequisite(s): 2 credits from courses in the Agriculture, Food, and Natural Resources Cluster	College Hour(s): NA Tier III
ffered only at: Arlington Heights and Diamond Hill-Jarvis ONORS UNPAID PRACTICUM IN AGRICULTURE, FOOD AND NATURAL RESOURCES/D	AGH02502AB
B/H (PRACAFNR1 AB/H) addition to the regular course curriculum, students in the honors course will complete additional projects and tivities related to the program of study.	13002500 Grade level: 11 – 12
structional Material: ICEV Agricultural Science Site, CEV Multimedia Ltd. erequisite(s): 2 credits from courses in the Agriculture, Food, and Natural Resources Cluster	HS Credit(s): 2 College Hour(s): NA
ffered only at: Arlington Heights and Diamond Hill-Jarvis AID PRACTICUM IN AGRICULTURE, FOOD, AND NATURAL RESOURCES/EXTENDED	Tier II AG02505AB
B (EXPRAFNR1 AB)	
is practicum course is a paid capstone experience for students participating in a coherent sequence of career and chnical education courses within the designated program of study. This course is designed to give students pervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations propriate to the nature and level of experiences such as employment, independent study, internships, sistantships, mentorships, or laboratories. A student must be a minimum age of 16 and hold valid work occumentation, such as a Social Security card, to enroll in any of the paid practicum learning experiences. To main in this practicum, a student must be employed for fifteen hours per week at an approved training station thin ten days of enrollment in the program.	13002505 Grade level: 11 - 12 HS Credit(s): 3
structional Material: ICEV Agricultural Science Site, CEV Multimedia Ltd. 18 erequisite(s): 1 credit from courses in the Agriculture, Food, and Natural Resources Cluster	College Hour(s): NA Tier III
ffered only at: Arlington Heights and Diamond Hill-Jarvis ONORS PAID PRACTICUM IN AGRICULTURE, FOOD, AND NATURAL RESOURCES/	AGH02505AB
(TENDED AB (EXPRAFNR1 AB/H) addition to the regular course curriculum, students in this honors course will complete additional projects and	13002505
tivities related to the program of study.	Grade level: 11 - 12
structional Material: ICEV Agricultural Science Site, CEV Multimedia Ltd.	HS Credit(s): 3
erequisite(s): 1 credit from courses in the Agriculture, Food, and Natural Resources Cluster	College Hour(s): NA
ffered only at: Arlington Heights and Diamond Hill-Jarvis	Tier II
GRICULTURAL MECHANICS AND METAL TECHNOLOGIES AB (AGMECMT AB) gricultural Mechanics and Metal Technologies is designed to develop an understanding of agricultural	AG00203AB 13002200
echanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, increte, and metal working techniques. To prepare for careers in agricultural power, structural, and technical stems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to ower, structural, and technical agricultural systems and the industry; and develop knowledge and skills garding career opportunities, entry requirements, industry certifications, and industry expectations.	Grade level: 10-11 HS Credit(s): 1
structional Material: Contact Career and Technical Education Department for related materials erequisite(s): Principles of Agriculture, Food and Natural Resources fered only at: Arlington Heights	College Hour(s): NA Tier III
ONORS AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES AB (AGMECMT AB/H)	AGH00203AB
addition to the regular course curriculum, students in this honors course will complete additional projects and tivities related to the program of study.	13002200 Grade level: 10-11
structional Material: Contact Career and Technical Education Department for related materials erequisite(s): Principles of Agriculture, Food and Natural Resources	HS Credit(s): 1 College Hour(s): NA
ffered only at: Arlington Heights GRICULTURAL STRUCTURES DESIGN AND FABRICATIONS/LAB/D AB (AGSDFLAB AB)	Tier II AG02310AB
Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements,	13002310 13002310
id industry expectations. To prepare for careers in mechanized agriculture and technical systems, students ust attain knowledge and skills related to agricultural structures design and fabrication. The lab experience is esigned to provide students a laboratory and/or field experience opportunity. To prepare for careers in priculture, food, and natural resources, students must acquire knowledge and skills that meet entry quirements and industry expectations. To prepare for success, students need opportunities to learn, reinforce,	Grade level: 11-12 HS Credit(s): 2

Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Agricultural Mechanics and Metal Technologies	Tier III
Offered only at: Arlington Heights HONORS AGRICULTURAL STRUCTURES DESIGN AND FABRICATIONS/LAB/D AB	AGH02310AB
(AGSDFLAB AB/H)	Adriozatoab
n addition to the regular course curriculum, students in this honors course will complete additional projects and	13002310
activities related to the program of study.	Grade level: 11-12
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 2
Prerequisite(s): Agricultural Mechanics and Metal Technologies	College Hour(s): NA
Offered only at: Arlington Heights	Tier II
AGRICULTURAL EQUIPMENT DESIGN AND FABRICATION/LAB/D AB (AGEQDFLAB AB)	AG02360AB
n Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design	13002360
and fabrication of agricultural equipment. To prepare for careers in mechanized agriculture and technical systems,	Grade level: 11-12
students must attain knowledge and skills related to agricultural structures design and fabrication. The lab	HS Credit(s): 2
experience is designed to provide students a laboratory and/or field experience opportunity. To prepare for careers	
in agriculture, food, and natural resources, students must acquire knowledge and skills that meet entry requirements	
and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer	
academic knowledge and technical skills in a variety of settings.	
·	College Hour(s): NA
Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB	College Hour(s): NA Tier III
<u>Prerequisite(s)</u> : Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights	Tier III
Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS AGRICULTURAL EQUIPMENT DESIGN AND FABRICATION/LAB/D AB	_
Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS AGRICULTURAL EQUIPMENT DESIGN AND FABRICATION/LAB/D AB (AGEQDFLAB AB/H)	Tier III AGH02360AB
Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS AGRICULTURAL EQUIPMENT DESIGN AND FABRICATION/LAB/D AB (AGEQDFLAB AB/H) In addition to the regular course curriculum, students in this honors course will complete additional projects and	AGH02360AB 13002360
Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS AGRICULTURAL EQUIPMENT DESIGN AND FABRICATION/LAB/D AB (AGEQDFLAB AB/H) In addition to the regular course curriculum, students in this honors course will complete additional projects and activities related to the program of study.	AGH02360AB 13002360 Grade level: 11-12
Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS AGRICULTURAL EQUIPMENT DESIGN AND FABRICATION/LAB/D AB (AGEQDFLAB AB/H) In addition to the regular course curriculum, students in this honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials	AGH02360AB 13002360 Grade level: 11-12 HS Credit(s): 2
Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS AGRICULTURAL EQUIPMENT DESIGN AND FABRICATION/LAB/D AB (AGEQDFLAB AB/H) In addition to the regular course curriculum, students in this honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB	AGH02360AB 13002360 Grade level: 11-12 HS Credit(s): 2 College Hour(s): NA
Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS AGRICULTURAL EQUIPMENT DESIGN AND FABRICATION/LAB/D AB (AGEQDFLAB AB/H) In addition to the regular course curriculum, students in this honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights	Tier III AGH02360AB 13002360 Grade level: 11-12 HS Credit(s): 2 College Hour(s): NA Tier II
Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS AGRICULTURAL EQUIPMENT DESIGN AND FABRICATION/LAB/D AB (AGEQDFLAB AB/H) In addition to the regular course curriculum, students in this honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H)	Tier III AGH02360AB 13002360 Grade level: 11-12 HS Credit(s): 2 College Hour(s): NA Tier II CPH01500AB
Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS AGRICULTURAL EQUIPMENT DESIGN AND FABRICATION/LAB/D AB (AGEQDFLAB AB/H) In addition to the regular course curriculum, students in this honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a	Tier III AGH02360AB 13002360 Grade level: 11-12 HS Credit(s): 2 College Hour(s): NA Tier II CPH01500AB 12701500
Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS AGRICULTURAL EQUIPMENT DESIGN AND FABRICATION/LAB/D AB (AGEQDFLAB AB/H) In addition to the regular course curriculum, students in this honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth	Tier III AGH02360AB 13002360 Grade level: 11-12 HS Credit(s): 2 College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12
Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS AGRICULTURAL EQUIPMENT DESIGN AND FABRICATION/LAB/D AB (AGEQDFLAB AB/H) In addition to the regular course curriculum, students in this honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile fin and	Tier III AGH02360AB 13002360 Grade level: 11-12 HS Credit(s): 2 College Hour(s): NA Tier II CPH01500AB 12701500
Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS AGRICULTURAL EQUIPMENT DESIGN AND FABRICATION/LAB/D AB (AGEQDFLAB AB/H) In addition to the regular course curriculum, students in this honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile fin and present their findings to an audience that includes experts in the field. This course must be cooperatively	Tier III AGH02360AB 13002360 Grade level: 11-12 HS Credit(s): 2 College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12
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Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS AGRICULTURAL EQUIPMENT DESIGN AND FABRICATION/LAB/D AB (AGEQDFLAB AB/H) In addition to the regular course curriculum, students in this honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile fin and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course.	Tier III AGH02360AB 13002360 Grade level: 11-12 HS Credit(s): 2 College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12 HS Credit(s): 1
Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS AGRICULTURAL EQUIPMENT DESIGN AND FABRICATION/LAB/D AB (AGEQDFLAB AB/H) In addition to the regular course curriculum, students in this honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Agricultural Structures Design and Fabrications/Lab AB Offered only at: Arlington Heights HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile fin and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or	Tier III AGH02360AB 13002360 Grade level: 11-12 HS Credit(s): 2 College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12



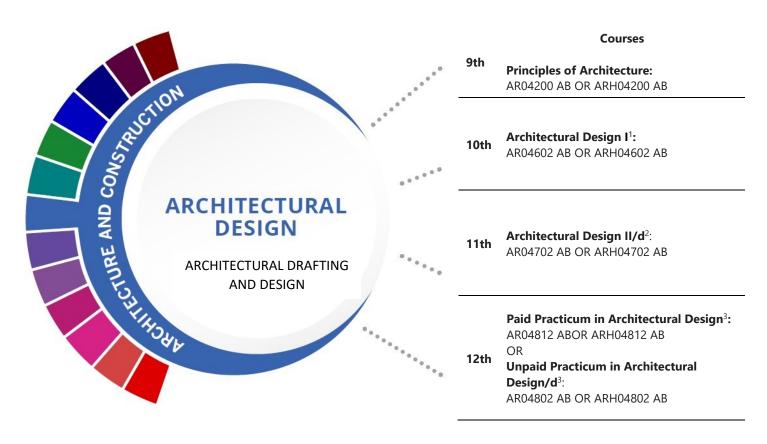
Architecture and Construction

Architectural Drafting and Design

Carpentry

Electrical

To reach CTE Completer status, students complete and pass three or more 19 TAC Chapter 126 (C), 127 (B), or 130 CTE courses for four or more credits within a program of study, including at least one level three or level four course from the same program of study.



N/A

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Autodesk Certified User in AutoCAD²; Autodesk Certified User in Revit Architecture³
- Not Counted Towards Performance Acknowledgment: OSHA 10-Hour Construction Industry¹

Available at:

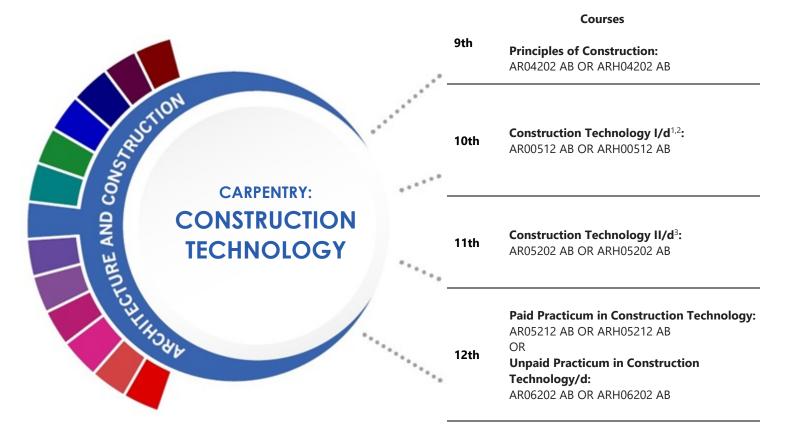
- Diamond Hill-Jarvis HS
- Trimble Technical HS

The Architectural Design program of study explores the occupations and educational opportunities associated with developing, engineering, and designing building structures and facilities. This program of study may also include exploration into collecting and interpreting geographic information, researching and preparing maps, and interior design.



The Architectural and Construction Career Cluster® focuses on designing, planning, managing, building, and maintaining the built environment. Principles of Architecture provides an overview to the various fields of architecture, interior design, and construction management.

Successful completion of the Architectural Design program of study will fulfill requirements of a Business and Industry or STEM endorsement if the math and science requirements are met. Revised – July 2020



N/A

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: NCCER Core Curriculum¹; NCCER Construction Technology²
- Not Counted Towards Performance Acknowledgment: OSHA 30-Hour Construction Industry Certification³

Available at:

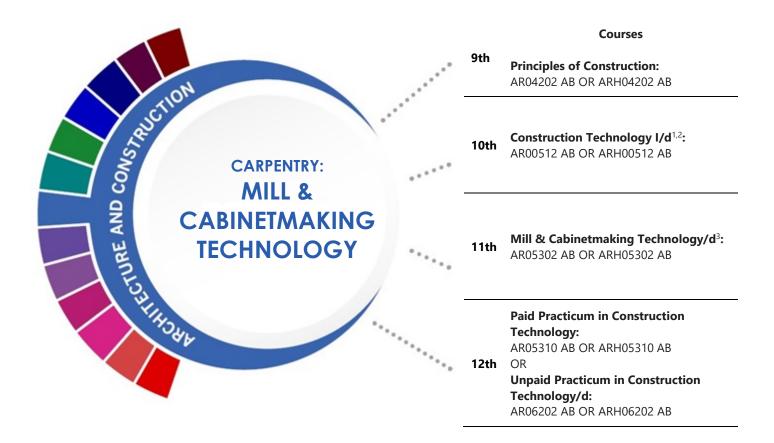
- Diamond Hill-Jarvis HS
- O.D. Wyatt HS
- Trimble Technical HS

The Carpentry program of study explores the occupations and educational opportunities related to constructing, installing, or repairing structures and fixtures made of wood, such as concrete forms (including frameworks, partitions, joists, studding, rafters, and stairways). This program of study may also include exploration into installing, dismantling, or moving machinery and heavy equipment according to layout plans, blueprints, or other drawings.



The Architecture and Construction Career Cluster® focuses on designing, planning, managing, building, and maintaining the built environment.

Successful completion of the Carpentry program of study will fulfill requirements of the Business and Industry Endorsement. Revised – July 2020



N/A

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: NCCER Core Curriculum¹; NCCER Construction Technology²
- Not Counted Towards Performance Acknowledgment: OSHA 30-Hour Construction Industry Certification³

Available at:

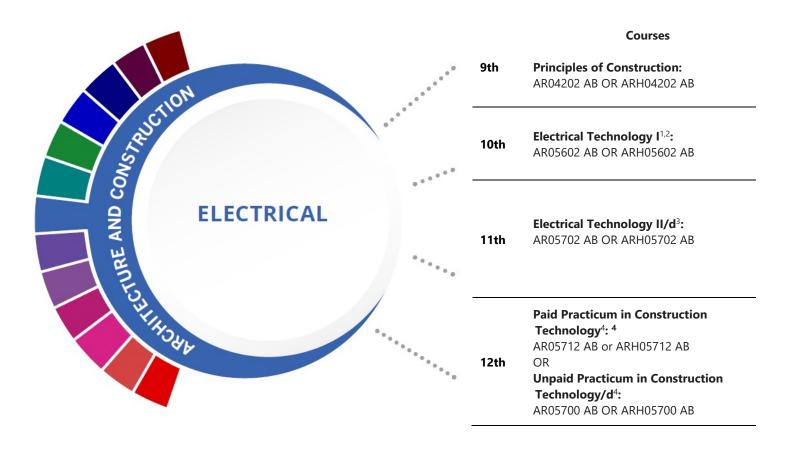
Trimble Technical HS

The Carpentry program of study explores the occupations and educational opportunities related to constructing, installing, or repairing structures and fixtures made of wood, such as concrete forms (including frameworks, partitions, joists, studding, rafters, and stairways). This program of study may also include exploration into installing, dismantling, or moving machinery and heavy equipment according to layout plans, blueprints, or other drawings.



The Architecture and Construction Career Cluster® focuses on designing, planning, managing, building, and maintaining the built environment.

Successful completion of the Carpentry program of study will fulfill requirements of the Business and Industry Endorsement. Revised – July 2020



N/A

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: NCCER Core Curriculum¹; NCCER Electrical Level I²; IEC Electrical Apprenticeship Certification Level I⁴
- Not Counted Towards Performance Acknowledgment: OSHA 30-hour Construction Industry Certification³

Available at:

• Trimble Technical HS

The Electrical program of study explores the occupations and educational opportunities associated with installing, maintaining, and repairing electrical wiring, equipment, and fixtures. This program of study may also include exploration into installing and repairing telecommunications cable including fiber optics.



The Architecture and Construction Career Cluster® focuses on designing, planning, managing, building, and maintaining the built environment.

Successful completion of the Electrical Program of Study will fulfill requirements of a Business and Industry or STEM endorsement if the math and science requirements are met. Revised – July 2020

COURSE DESCRIPTIONS FOR ARCHITECTURE AND CONSTRUCTION CLASSES

PRINCIPLES OF ARCHITECTURE AB (PRINARCH AB)	AR04200AB
rinciples of Architecture provides an overview to the various fields of architecture, interior design, and	13004210
construction management. Achieving proficiency in decision making and problem solving is an essential skill for	Grade level: 9 – 10
areer planning and lifelong learning. Students use self-knowledge, education, and career information to set and	HS Credit(s): 1
schieve realistic career and educational goals. Job-specific training can be provided through training modules	
hat identify career goals in trade and industry areas. Classroom studies include topics such as safety, work	
ethics, communication, information technology applications, systems, health, environment, leadership,	
eamwork, ethical and legal responsibility, employability, and career development and include skills such as	
problem solving, critical thinking, and reading technical drawings.	
nstructional Material: Architecture, Construction, Transportation and Manufacturing, iCEV	College Hour(s): NA
Prerequisite(s): None	Tier III
Offered only at: Diamond Hill-Jarvis and Trimble Tech	4 DUI 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
HONORS PRINCIPLES OF ARCHITECTURE AB (PRINARCH AB/H)	ARH04200AB
n addition to the regular course curriculum, students in this honors course will complete additional projects and	13004210
activities related to the program of study.	Grade level: 9 – 10
nstructional Material: Architecture, Construction, Transportation and Manufacturing, iCEV	HS Credit(s): 1
Prerequisite(s): None	College Hour(s): NA
Offered only at: Diamond Hill-Jarvis and Trimble Tech	Tier II
ARCHITECTURAL DESIGN I AB (ARCHDSN1 AB)	AR04602AB
n Architectural Design I, students will gain knowledge and skills needed to enter a career in architecture or	13004600
construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. Architectural Design I include the knowledge of the design,	Grade level: 10 – 12
	HS Credit(s): 1
design history, techniques, and tools related to the production of drawings, renderings, and scaled models for	
nonresidential or residential architectural purposes. <u>nstructional Material</u> : <i>Architecture: Residential Drafting and Design,</i> Goodheart-Willcox Co.	College Hour(s): NA
<u>Prerequisite(s):</u> Principles of Architecture, Algebra I, and English I	Tier III
Recommended Prerequisite(s): Geometry	nei iii
Offered only at: Diamond Hill-Jarvis and Trimble Tech	
HONORS ARCHITECTURAL DESIGN I AB (ARCHDSN1 AB/H)	ARH04602AB
n addition to the regular course curriculum, students in this honors course will complete additional projects and	13004600
activities related to the program of study.	Grade level: 10 – 12
Instructional Material: Architecture: Residential Drafting and Design, Goodheart-Willcox Co.	HS Credit(s): 1
Prerequisite(s): Principles of Architecture, Algebra I, and English I	College Hour(s): NA
Recommended Prerequisite(s): Geometry	Tier II
Offered at: Diamond Hill-Jarvis and Trimble Tech	
ARCHITECTURAL DESIGN II/d AB (ARCHDSN2 AB)	AR04702AB
n Architectural Design II, students will gain advanced knowledge and skills needed to enter a career in	13004700
architecture or construction or prepare a foundation toward a postsecondary degree in architecture,	Grade level: 11 - 12
construction science, drafting, interior design, or landscape architecture. Architectural Design II includes the	HS Credit(s): 2
advanced knowledge of the design, design history, techniques, and tools related to the production of drawings,	()
renderings, and scaled models for nonresidential or residential architectural purposes.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Architectural Design I, Geometry	Tier III
Offered at: Diamond Hill-Jarvis and Trimble Tech	
HONORS ARCHITECTURAL DESIGN II/d AB (ARCHDSN2 AB/H)	ARH04702AB
n addition to the regular course curriculum, students in this honors course will complete additional projects and	13004700
activities related to the program of study.	Grade level: 11 – 12
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 2
Prerequisite(s): Architectural Design I, Geometry	College Hour(s): NA
Offered at: Diamond Hill-Jarvis and Trimble Tech	Tier II
UNPAID PRACTICUM IN ARCHITECTURAL DESIGN/d AB (PRACADSN AB)	AR04802AB
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of career	
and technical education courses within their designated program of study. This is an occupationally specific	Grade level: 12
course designed to provide technical instruction in architectural design. Safety and career opportunities are	HS Credit(s): 2
ncluded in addition to work ethics and architectural design study. Practicum capstone experiences can occur in a	(0)
variety of locations appropriate to the nature and level of experiences such as independent study, assistantships,	
mentorships, or laboratories. The various in-class capstone experiences include students working in a simulated	

Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Architectural Design II	Tier III
Offered at: Diamond Hill-Jarvis and Trimble Tech HONORS UNPAID PRACTICUM IN ARCHITECTURAL DESIGN/d AB (PRACADSN AB/H)	ARH04802AB
In addition to the regular course curriculum, students in this course will complete additional projects and	13004800
activities related to the program of study.	Grade level: 12
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 2
Prerequisite(s): Architectural Design II	College Hour(s): NA
Offered at: Diamond Hill-Jarvis and Trimble Tech	Tier II
PAID PRACTICUM IN ARCHITECTURAL DESIGN/EXTENDED AB (EXPRADS1 AB)	AR04812AB
This practicum course is a paid capstone experience for students participating in a coherent sequence of career	13004805
and technical education courses within their designated program of study. This is an occupationally specific	Grade level: 12
course designed to provide technical instruction in architectural design. Safety and career opportunities are	HS Credit(s): 3
included in addition to work ethics and architectural design study. A student must be a minimum age of 16 and	
hold valid work documentation, such as a Social Security card, to enroll in any of the paid practicum learning experiences. In order to receive course credit, this course requires that students make a full year commitment to	
this course and their employment, must have related classroom instruction that averages one class period per	
week during the school year, are employed for <u>fifteen (15) hours per week</u> (or average of 30 hours across two	
weeks) at an approved site within ten days of the beginning of the course. Work hours can be included during	
the school day or outside of school hours. If work hours are during the school day, students can be scheduled	
for work release (noncredit) periods to work as long as work release does not jeopardize students' projected	
graduation plan.	C II
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Architectural Design II	College Hour(s): NA Tier III
Offered at: Diamond Hill-Jarvis and Trimble Tech	Her III
HONORS PAID PRACTICUM IN ARCHITECTURAL DESIGN AB/EXTENDED	ARH04812AB
In addition to the regular course curriculum, students in this course will complete additional projects and	13004805
activities related to the program of study.	Grade level: 12
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 3
Prerequisite(s): Architectural Design II	College Hour(s): NA
Offered at: Diamond Hill-Jarvis and Trimble Tech	Tier II
PRINCIPLES OF CONSTRUCTION AB (PRINCON AB)	AR04202AB
Principles of Construction is intended to provide an introduction and lay a solid foundation for those students	13004220
entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. For safety and liability considerations, limiting	Grade level: 9 - 10 HS Credit(s): 1
course enrollment to 15 students is recommended. This course also provides communication and occupation	ns credit(s). T
skills to assist the student in obtaining and maintaining employment.	
Instructional Material: Architecture, Construction, Transportation and Manufacturing, iCEV	College Hour(s): NA
Prerequisite(s): None	Tier III
Offered only at: Diamond Hill-Jarvis, Trimble Tech and OD Wyatt	
HONORS PRINCIPLES OF CONSTRUCTION AB (PRINCON AB/H)	ARH04202AB
In addition to the regular course curriculum, students will complete additional projects and activities related to	13004220
the program of study.	Grade level: 9 – 10
Instructional Material: Architecture, Construction, Transportation and Manufacturing, iCEV	HS Credit(s): 1
Prerequisite(s): None	College Hour(s): NA
Offered only at: Diamond Hill-Jarvis, Trimble Tech and OD Wyatt	
Offered only at: Diamond Hill-Jarvis, Trimble Tech and OD Wyatt	Tier II
CONSTRUCTION TECHNOLOGY I/D AB (CONSTECH AB)	AR00512AB
CONSTRUCTION TECHNOLOGY I/D AB (CONSTECH AB) In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as	AR00512AB 13005100
CONSTRUCTION TECHNOLOGY I/D AB (CONSTECH AB) In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction	AR00512AB
CONSTRUCTION TECHNOLOGY I/D AB (CONSTECH AB) In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as	AR00512AB 13005100 Grade level: 10 - 12
In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. For safety and liability considerations, limiting course enrollment to 15 students is recommended.	AR00512AB 13005100 Grade level: 10 - 12
In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. For safety and liability considerations, limiting course enrollment to 15 students is recommended. Instructional Material: NCCER Core Curriculum E-Text, Pearson	AR00512AB 13005100 Grade level: 10 - 12 HS Credit(s): 2 College Hour(s): NA
In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. For safety and liability considerations, limiting course enrollment to 15 students is recommended. Instructional Material: NCCER Core Curriculum E-Text, Pearson Pereequisite(s): Principles of Construction	AR00512AB 13005100 Grade level: 10 - 12 HS Credit(s): 2
n Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. For safety and liability considerations, limiting course enrollment to 15 students is recommended. Instructional Material: NCCER Core Curriculum E-Text, Pearson Pererequisite(s): Principles of Construction Offered only at: Diamond Hill-Jarvis, Trimble Tech, and OD Wyatt	AR00512AB 13005100 Grade level: 10 - 12 HS Credit(s): 2 College Hour(s): NA Tier III
In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. For safety and liability considerations, limiting course enrollment to 15 students is recommended. Instructional Material: NCCER Core Curriculum E-Text, Pearson Prerequisite(s): Principles of Construction Offered only at: Diamond Hill-Jarvis, Trimble Tech, and OD Wyatt HONORS CONSTRUCTION TECHNOLOGY I/D AB (CONSTECH AB/H)	AR00512AB 13005100 Grade level: 10 - 12 HS Credit(s): 2 College Hour(s): NA Tier III ARH00512AB
In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. For safety and liability considerations, limiting course enrollment to 15 students is recommended. Instructional Material: NCCER Core Curriculum E-Text, Pearson Prerequisite(s): Principles of Construction Offered only at: Diamond Hill-Jarvis, Trimble Tech, and OD Wyatt HONORS CONSTRUCTION TECHNOLOGY I/D AB (CONSTECH AB/H) In addition to the regular course curriculum, students will complete additional projects and activities related to	AR00512AB 13005100 Grade level: 10 - 12 HS Credit(s): 2 College Hour(s): NA Tier III ARH00512AB 13005100
In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. For safety and liability considerations, limiting course enrollment to 15 students is recommended. Instructional Material: NCCER Core Curriculum E-Text, Pearson Prerequisite(s): Principles of Construction Offered only at: Diamond Hill-Jarvis, Trimble Tech, and OD Wyatt HONORS CONSTRUCTION TECHNOLOGY I/D AB (CONSTECH AB/H) In addition to the regular course curriculum, students will complete additional projects and activities related to the program of study.	AR00512AB 13005100 Grade level: 10 - 12 HS Credit(s): 2 College Hour(s): NA Tier III ARH00512AB 13005100 Grade level: 10 - 12
In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. For safety and liability considerations, limiting course enrollment to 15 students is recommended. Instructional Material: NCCER Core Curriculum E-Text, Pearson Prerequisite(s): Principles of Construction Offered only at: Diamond Hill-Jarvis, Trimble Tech, and OD Wyatt HONORS CONSTRUCTION TECHNOLOGY I/D AB (CONSTECH AB/H) In addition to the regular course curriculum, students will complete additional projects and activities related to	AR00512AB 13005100 Grade level: 10 - 12 HS Credit(s): 2 College Hour(s): NA Tier III ARH00512AB 13005100

CONSTRUCTION TECHNOLOGY II/D AB (CONSTECH2 AB)	AR05202AB
n Construction Technology II, students will gain advanced knowledge and skills needed to enter the workforce	13005200
as carpenters, building maintenance technicians, or supervisors or to prepare for a postsecondary degree in	Grade level: 11 – 12
onstruction management, architecture, or engineering. Students will build on the knowledge base from	HS Credit(s): 2
Construction Technology I and are introduced to exterior and interior finish out skills. For safety and liability onsiderations, limiting course enrollment to 15 students is recommended.	
nstructional Material: NCCER Construction Technology Print and E-Text, Pearson	College Hour(s): NA
<u>Prerequisite(s)</u> : Construction Technology I/d	Tier III
Offered only at: Diamond Hill-Jarvis, Trimble Technical, and OD Wyatt	
IONORS CONSTRUCTION TECHNOLOGY II/D AB (CONSTECH2 AB/H)	ARH05202AB
n addition to the regular course curriculum, students will complete additional projects and activities related to	13005200
ne program of study.	Grade level: 11 – 12
nstructional Material: NCCER Construction Technology Print and E-Text, Pearson	HS Credit(s): 2
rerequisite(s): Construction Technology I/d	College Hour(s): NA
Offered only at: Diamond Hill-Jarvis, Trimble Technical, and OD Wyatt	Tier II
AID PRACTICUM IN CONSTRUCTION TECHNOLOGY/EXTENDED AB (EXPRCT1 AB)	AR05212AB
his practicum course is a paid capstone experience for students participating in a coherent sequence of career	13005255
nd technical education courses within their designated program of study. Students in this course will be	Grade level: 12
hallenged with the application of gained knowledge and skills from prior Construction courses. A student must	HS Credit(s): 3
e a minimum age of 16 and hold valid work documentation, such as a Social Security card, to enroll in any of	
ne practicum learning experiences. In order to receive course credit, this course requires that students make a	
ull year commitment to this course and their employment, must have related classroom instruction that	
verages one class period per week during the school year, are employed for <u>fifteen (15) hours per week</u> (or	
verage of 30 hours across two weeks) at an approved site within ten days of the beginning of the course. Work ours can be included during the school day or outside of school hours. If work hours are during the school	
ay, students can be scheduled for work release (noncredit) periods to work as long as work release does not	
eopardize students' projected graduation plan.	
nstructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
rerequisite(s): Construction Technology II/d	Tier III
Offered only at: Diamond Hill-Jarvis, Trimble Technical, and OD Wyatt	-
IONORS PAID PRACTICUM IN CONSTRUCTION TECHNOLOGY/EXTENDED AB	ARH05212AB
EXPRCT1 AB/H)	
addition to the regular course curriculum, students will complete additional projects and activities related to	13005255
ne program of study.	Grade level: 12
nstructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 3
rerequisite(s): Construction Technology II/d	College Hour(s): NA
Offered only at: Diamond Hill-Jarvis, Trimble Technical, and OD Wyatt	Tier II
NPAID PRACTICUM IN CONSTRUCTION TECHNOLOGY/D AB (PRACCONS AB)	AR06202AB
his practicum course is an unpaid capstone experience for students participating in a coherent sequence of	130052050
areer and technical education courses within the designated program of study. Students in this course will be	Grade level: 12
hallenged with the application of gained knowledge and skills from prior Construction courses. Practicum	HS Credit(s): 2
apstone experiences can occur in a variety of locations appropriate to the nature and level of experiences such	
s independent study, assistantships, mentorships, or laboratories. The various in-class capstone experiences	
nclude students working in a simulated environment, running an enterprise, or be involved in program-specific	
ocal projects the school has approved for this class. Additional capstone experiences also include students	
eing selected to be a part of a work-based experience or industry training off-site, outside of school. Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
istructional Material. Contact Career and Technical Education Department for related materials rerequisite(s): Construction Technology II/d	Tier III
fered only at: Diamond Hill-Jarvis, Trimble Technical, and OD Wyatt	Her III
IONORS UNPAID PRACTICUM IN CONSTRUCTION TECHNOLOGY/D AB (PRACCONS AB/H)	ARH06202AB
n addition to the regular course curriculum, students will complete additional projects and activities related to	130052050
ne program of study.	Grade level: 12
nstructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 2
rerequisite(s): Construction Technology II/d	College Hour(s): NA
offered only at: Diamond Hill-Jarvis, Trimble Tech, and OD Wyatt	Tier II
IILL AND CABINETMAKING TECHNOLOGY/D AB (MACTECH AB)	AR05302AB
	13005300
n Mill and Cabinetmaking Technology, students will gain knowledge and skills needed to enter the workforce in	Grade level: 11 – 12
n Mill and Cabinetmaking Technology, students will gain knowledge and skills needed to enter the workforce in hill work and cabinet manufacturing and installation. Students may also apply these skills to professions in	0.440.000.00
	HS Credit(s): 2
nill work and cabinet manufacturing and installation. Students may also apply these skills to professions in	
aill work and cabinet manufacturing and installation. Students may also apply these skills to professions in arpentry or building maintenance supervision or use the skills as a foundation for a postsecondary degree in	

<u>rerequisite(s)</u> : Construction Technology II/d Offered only at: Trimble Tech	College Hour(s): NA Tier III
JITEREA ONIV AT' TRIMDIE TECN	Her III
HONORS MILL AND CABINETMAKING TECHNOLOGY/D AB (MACTECH AB/H)	ARH05302AB
n addition to the regular course curriculum, students will complete additional projects and activities related to	13005300
he program of study.	Grade level: 11 – 12
nstructional Material: NCCER Cabinetmaking Print and E-Text, Pearson	HS Credit(s): 2
<u>rerequisite(s)</u> : Construction Technology II/d	College Hour(s): NA
Offered only at: Trimble Tech	Tier II
EXTENDED PRACTICUM IN CONSTRUCTION TECHNOLOGY: MILL AND CABINET MAKING	AR05310AB
EXPRCT1 MAC AB)	
his practicum course is a paid capstone experience for students participating in a coherent sequence of career	13005255
nd technical education courses within their designated program of study. Students in this course will be	Grade level: 12
hallenged with the application of gained knowledge and skills from prior Construction courses. A student must	HS Credit(s): 3
e a minimum age of 16 and hold valid work documentation, such as a Social Security card, to enroll in any of he practicum learning experiences. In order to receive course credit, this course requires that students make a	
ull year commitment to this course and their employment, must have related classroom instruction that	
verages one class period per week during the school year, are employed for <u>fifteen (15) hours per week</u> (or	
verages one class period per week during the school year, are employed for <u>inteen (15) hours per week</u> (of verage of 30 hours across two weeks) at an approved site within ten days of the beginning of the course. Work	
ours can be included during the school day or outside of school hours. If work hours are during the school	
lay, students can be scheduled for work release (noncredit) periods to work as long as work release does not	
eopardize students' projected graduation plan.	
nstructional Material: Contact Career and Technical Education for related materials	College Hour(s): NA
<u>rerequisite(s)</u> : Mill and Cabinet Making Technology/d	Tier III
Offered only at: Trimble Tech	
HONORS PAID PRACTICUM IN CONSTRUCTION TECHNOLOGY: MILL AND CABINET	ARH05310AB
MAKING/EXTENDED AB (EXPRCT1 MAC AB/H)	
n addition to the regular course curriculum, students will complete additional projects and activities related to	13005255
he program of study.	Grade level: 12
nstructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 3
Prerequisite(s): Mill and Cabinet Making Technology/d	College Hour(s): NA
Offered only at: Trimble Tech	Tier II
ELECTRICAL TECHNOLOGY I AB (ELECTEC AB)	AR05602AB
n Electrical Technology I, students will gain knowledge and skills needed to enter the workforce as an electrician	13005600
or building maintenance supervisor, prepare for a postsecondary degree in a specified field of construction or	Grade level: 10 - 11
onstruction management, or pursue an approved apprenticeship program. Students will acquire knowledge and kills in safety, electrical theory, tools, codes, installation of electrical equipment, and the reading of electrical	HS Credit(s): 1
lrawings, schematics, and specifications.	
nstructional Material: NCCER Electrical Level 1 Print and E-Text, Pearson	College Hour(s): NA
rerequisite(s): Principles of Construction	Tier III
Offered only at: Trimble Tech	TICI III
HONORS ELECTRICAL TECHNOLOGY I AB (ELECTEC AB/H)	ARH05602AB
n addition to the regular course curriculum, students will complete additional projects and activities related to	13005600
he program of study.	Grade level: 10 - 11
nstructional Material: NCCER Electrical Level 1 Print and E-Text, Pearson	HS Credit(s): 1
Prerequisite(s): Principles of Construction	College Hour(s): NA
Offered only at: Trimble Tech	Tier II
ELECTRICAL TECHNOLOGY II/D AB (ELECTECH2 AB)	AR05702AB
n Electrical Technology II, students will gain advanced knowledge and skills needed to enter the workforce as	13005700
n electrician, a building maintenance technician, or a supervisor; prepare for a postsecondary degree in a pecified field of construction or construction management; or pursue an approved apprenticeship program.	Grade level: 11 - 12
pecified field of construction or construction management; or pursue an approved apprenticeship program. Itudents will acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical	HS Credit(s): 2
quipment, alternating current and direct current motors, conductor installation, installation of electrical	
ervices, and electric lighting installation.	
nstructional Material: NCCER Electrical Level 2 Print and E-Text, Pearson	College Hour(s): NA
rerequisite(s): Electrical Technology I	Tier III
Offered only at: Trimble Tech	
	ARH05702AB
IONORS ELECTRICAL TECHNOLOGY II/D AB (ELECTECH2 AB/H)	13005700
n In addition to the regular course curriculum, students will complete additional projects and activities related	13003100
	Grade level: 11 - 12
n In addition to the regular course curriculum, students will complete additional projects and activities related	
n In addition to the regular course curriculum, students will complete additional projects and activities related to the program of study.	Grade level: 11 - 12

UNPAID PRACTICUM IN CONSTRUCTION TECHNOLOGY: ELECTRICAL/D AB (PRACCT ELE AB)	AR05700AB
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of	13005250
career and technical education courses within the designated program of study. In this course, students will be	Grade level: 12
challenged with the application of gained knowledge and skills from prior Construction courses. Practicum	HS Credit(s): 2
capstone experiences can occur in a variety of locations appropriate to the nature and level of experiences such	
as independent study, assistantships, mentorships, or laboratories. The various in-class capstone experiences	
include students working in a simulated environment, running an enterprise, or be involved in program-specific	
local projects the school has approved for this class. Additional capstone experiences also include students	
being selected to be a part of a work-based experience or industry training off-site, outside of school.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Electrical Technology II/d	Tier III
Offered only at: Trimble Tech	
HONORS UNPAID PRACTICUM IN CONSTRUCTION TECHNOLOGY: ELECTRICAL/D AB	ARH05700AB
(PRACCT ELE AB/H)	
In addition to the regular course curriculum, students will complete additional projects and activities related to the	13005250
program of study.	Grade level: 12
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 2
Prerequisite(s): Electrical Technology II/d	College Hour(s): NA
Offered only at: Trimble Tech	Tier II
PAID PRACTICUM IN CONSTRUCTION TECHNOLOGY: ELECTRICAL/EXTENDED AB	AR05712AB
(EXPRCT1 ELE AB)	
This practicum course is a paid capstone experience for students participating in a coherent sequence of career	13005255
and technical education courses within their designated program of study. Practicum in Construction Technology,	Grade level: 12
students will be challenged with the application of gained knowledge and skills from prior Construction courses.	HS Credit(s): 3
A student must be a minimum age of 16 and hold valid work documentation, such as a Social Security card, to	
enroll in any of the practicum learning experiences. In order to receive course credit, this course requires that	
students make a full year commitment to this course and their employment, must have related classroom	
nstruction that averages one class period per week during the school year, are employed for <u>fifteen (15) hours</u>	
per week (or average of 30 hours across two weeks) at an approved site within ten days of the beginning of the	
course. Work hours can be included during the school day or outside of school hours. If work hours are during	
the school day, students can be scheduled for work release (noncredit) periods to work as long as work release	
the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan.	College Hour(s): NA
the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA Tier III
the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Electrical Technology II/d	
the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Electrical Technology II/d Offered only at: Trimble Tech	-
the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Electrical Technology II/d Offered only at: Trimble Tech HONORS PAID PRACTICUM IN CONSTRUCTION TECHNOLOGY: ELECTRICAL/EXTENDED AB (EXPRCT1 ELE AB/H)	Tier III
the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Electrical Technology II/d Offered only at: Trimble Tech HONORS PAID PRACTICUM IN CONSTRUCTION TECHNOLOGY: ELECTRICAL/EXTENDED AB	Tier III
the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Electrical Technology II/d Offered only at: Trimble Tech HONORS PAID PRACTICUM IN CONSTRUCTION TECHNOLOGY: ELECTRICAL/EXTENDED AB (EXPRCT1 ELE AB/H)	Tier III ARH05712AB
the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Electrical Technology II/d Offered only at: Trimble Tech HONORS PAID PRACTICUM IN CONSTRUCTION TECHNOLOGY: ELECTRICAL/EXTENDED AB (EXPRCT1 ELE AB/H) In addition to the regular course curriculum, students will complete additional projects and activities related to the program of study.	Tier III ARH05712AB 13005255
the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Electrical Technology II/d Offered only at: Trimble Tech HONORS PAID PRACTICUM IN CONSTRUCTION TECHNOLOGY: ELECTRICAL/EXTENDED AB (EXPRCT1 ELE AB/H) In addition to the regular course curriculum, students will complete additional projects and activities related to	ARH05712AB 13005255 Grade level: 12
the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Electrical Technology II/d Differed only at: Trimble Tech HONORS PAID PRACTICUM IN CONSTRUCTION TECHNOLOGY: ELECTRICAL/EXTENDED AB EXPRCT1 ELE AB/H) In addition to the regular course curriculum, students will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials	ARH05712AB 13005255 Grade level: 12 HS Credit(s): 3



Arts, Audio/Video Technology, and Communications

Graphic Design and Interactive Media
Graphic Design and Illustration
Commercial Photography
Fashion Design
Animation
Digital Gaming

Digital Communications

To reach CTE Completer status, students complete and pass three or more 19 TAC Chapter 126 (C), 127 (B), or 130 CTE courses for four or more credits within a program of study, including at least one level three or level four course from the same program of study.



9th Principles of Arts, A/V Technology, and Communications:

AV08202 AB OR AVH08202 AB

10th Graphic Design and Illustration I^{1, 2}:

AV08802 AB OR AVH08802 AB

11th Graphic Design and Illustration II³:

AV08810 AB OR AVH08810 AB

Unpaid Practicum in Graphic Design and Illustration/d:

AV09002 AB OR AVH09002 AB

12th OR

Paid Practicum in Graphic Design and

Illustration:

AV09012AB OR AVH09012AB

Enrichment Courses:

Digital Media: IT27802 AB OR ITH27802 AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Adobe Certified Professional Photoshop¹; Adobe Certified Professional Illustrator²; Adobe Certified Professional InDesign³
- Not counted towards Performance Acknowledgment: N/A

Available at:

- Arlington Heights HS
- Benbrook HS
- Carter-Riverside HS
- Diamond Hill-Jarvis HS
- Dunbar HS
- Eastern Hills HS
- North Side HS
- OD Wyatt HS
- Paschal HS
- Polytechnic HS
- South Hills HS
- Southwest HS
- Western Hills HS
- Young Women's Leadership Academy HS

The Design and Multimedia Arts program of study has 5 sub pathways. It explores the occupations and educational opportunities associated with designing or creating graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. This program of study may also include exploration into designing clothing and accessories, and creating special effects, animation, or other visual images using film, video, computers, or other electronic tools and media, for use in computer games, movies, music videos, and commercials.

The Arts, A/V Technology and Communications (AAVTC) Career Cluster® focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. Careers in the AAVTC Career Cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication.

Successful completion of the Design & Multimedia Arts program of study will fulfill requirements of a Business and Industry Endorsement. Revised – July 202





9th Principles of Arts, A/V Technology, and Communications:

AV08202 AB OR AVH08202 AB

10th Commercial Photography I¹:

AV09102 AB OR AVH09102 AB

11th Commercial Photography II/Lab²:

AV09202L AB OR AVH09202L AB

Unpaid Practicum in Commercial Photography/d: AV09200 AB OR AVH09200

12th A

AB OR

Paid Practicum in Commercial Photography:

AV09210 AB OR AVH09210 AB

Enrichment Courses:

Digital Media: IT27802 AB OR ITH27802 AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Adobe Certified Professional – Photoshop¹; Adobe Certified Professional – InDesign²
- Not counted towards Performance Acknowledgment: N/A

Available at:

• Trimble Technical HS

The Design and Multimedia Arts program of study has 5 sub pathways. It explores the occupations and educational opportunities associated with designing or creating graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. This program of study may also include exploration into designing clothing and accessories, and creating special effects, animation, or other visual images using film, video, computers, or other electronic tools and media, for use in computer games, movies, music videos, and commercials.



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Successful completion of the Design & Multimedia Arts program of study will fulfill requirements of a Business and Industry Endorsement. Revised – July 2020



9th Principles of Arts, A/V Technology, and Communications:

AV08202 AB OR AVH08202 AB

10th Fashion Design I:

AV09302 AB OR Honors AVH09302 AB

11th Fashion Design II/Lab¹:

AV09402L AB OR Honors AVH09402L AB

Unpaid Practicum in Entrepreneurship/d:

MK34801 AB OR MKH34801AB

Enrichment Courses:

• Digital Media: IT27802 AB OR ITH27802 AB

• Fashion Marketing: MK34301 T OR MKH34301 T

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Adobe Certified Professional Illustrator¹
- Not counted towards Performance Acknowledgment: N/A

Available at:

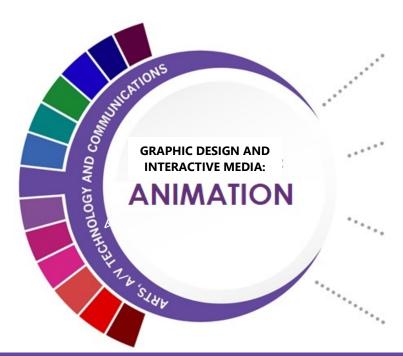
- Diamond Hill-Jarvis HS
- Trimble Technical HS

The Design and Multimedia Arts program of study has 5 sub pathways. It explores the occupations and educational opportunities associated with designing or creating graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. This program of study may also include exploration into designing clothing and accessories, and creating special effects, animation, or other visual images using film, video, computers, or other electronic tools and media, for use in computer games, movies, music videos, and commercials.



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Successful completion of the Design & Multimedia Arts program of study will fulfill requirements of a Business and Industry Endorsement. Revised - July 2020



9th Principles of Arts, A/V Technology, and Communications:

AV08202 AB OR AVH08202 AB

10th Animation I¹:

AV08302 AB OR AVH08302 AB

11th Animation II²:

AV08402 AB OR AVH08402 AB

12th Unpaid Practicum in Animation/d:

AV08450 AB OR AVH08450AB

Enrichment Courses:

• Digital Media: IT27802 AB OR ITH27802 AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Adobe Certified Professional After Effects²
- Not counted towards Performance Acknowledgment: Adobe Certified Professional Animate¹

Available at:

- North Side HS
- OD Wyatt HS
- Polytechnic HS
- South Hills HS
- Trimble Technical HS
- Western Hills HS

The Design and Multimedia Arts program of study has 5 sub pathways. It explores the occupations and educational opportunities associated with designing or creating graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. This program of study may also include exploration into designing clothing and accessories, and creating special effects, animation, or other visual images using film, video, computers, or other electronic tools and media, for use in computer games, movies, music videos, and commercials.



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Successful completion of the Design & Multimedia Arts program of study will fulfill requirements of a Business and Industry Endorsement. Revised – July 2020



9th Principles of Arts, A/V Technology, and Communications:

AV08202 AB OR AVH08202 AB

Video Game Design¹:

AV00992 AB OR AVH00992 AB

10th AND

Video Game Programming:

AV00994 AB OR AVH00994 AB

11th Advanced Video Game Programming¹:

AV00995 AB OR AVH00995 AB

12th Unpaid Practicum in Animation/d:

AV08450 AB OR AVH08450AB

Enrichment Courses:

Animation I: AV08302 AB OR AVH08302 AB
 Digital Media: IT27802 AB OR ITH27802 AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Adobe Certified Professional After Effects¹
- Not counted towards Performance Acknowledgment: N/A

Available at:

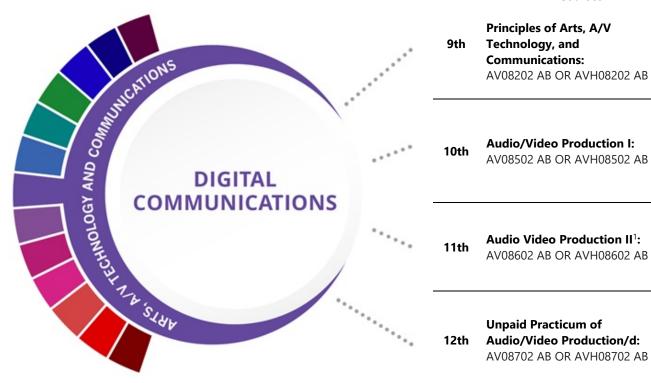
South Hills HS

The Digital Communications program of study explores the occupations and educational opportunities associated with the production of audio and visual media formats for various purposes, such as TV broadcasts, advertising, video production, or motion pictures. This program of study may also include exploration into operating machines and equipment to record sound and images, such as microphones, sound speakers, video screens, projectors, video monitors, sound and mixing boards, and related electronic equipment.



The Arts, A/V Technology and Communications (AAVTC) Career Cluster® focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. Careers in the AAVTC Career Cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication.

Successful completion of the Design & Multimedia Arts program of study will fulfill requirements of a Business and Industry Endorsement. Revised - July 2020



Enrichment Courses:

- Digital Audio Technology I: AV00882 AB OR AVH00882 AB
- Digital Media: IT27802 AB OR ITH27802 AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Adobe Certified Professional Premier Pro¹
- Not counted towards Performance Acknowledgment: N/A

Available at:

- Polytechnic HS
- Southwest HS
- Trimble Technical HS
- Western Hills HS

The Digital Communications program of study explores the occupations and educational opportunities associated with the production of audio and visual media formats for various purposes, such as TV broadcasts, advertising, video production, or motion pictures. This program of study may also include exploration into operating machines and equipment to record sound and images, such as microphones, sound speakers, video screens, projectors, video monitors, sound and mixing boards, and related electronic equipment.



The Arts, A/V Technology and Communications (AAVTC) Career Cluster® focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. Careers in the AAVTC Career Cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication.

Successful completion of the Digital Communications program of study will fulfill requirements of a Business and Industry Endorsement. Revised - July 202

COURSE DESCRIPTIONS FOR ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS CLASSES

PRINCIPLES OF ARTS, AUDIO VIDEO TECHNOLOGY AND COMMUNICATIONS AB (PRINAAVTC AB)	AV08202AB
The Arts, Audio Video Technology, and Communications career cluster require, in addition to creative aptitude, a strong background in computer applications, a strong academic foundation, and a proficiency in oral and written	13008200 Grade level: 9 - 10
communications in this course, students are introduced to skills and a basic understanding of career opportunities and training requirements in the areas of audio video production, fashion design, printing and	HS Credit(s): 1
imaging technology, and graphic design and illustration. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge,	
skills, and educational requirements for those opportunities.	
Instructional Material: Principles of Arts, Audio and Video Technology and Communication Texas Student, Pearson Education, Inc.	College Hour(s): NA Tier III
<u>Prerequisite(s)</u> : None. This course is a required prerequisite for ALL other courses in the Arts and AV cluster. Offered at: All Tier 1 comprehensive high schools	
HONORS PRINCIPLES OF ARTS, AUDIO VIDEO TECHNOLOGY, AND COMMUNICATIONS AB	AVH08202AB
(PRINAAVTC AB/H)	1222222
In addition to the regular course curriculum, students will complete additional projects and activities related to the program of study.	13008200 Grade level: 9 - 10
Instructional Material: Principles of Arts, Audio and Video Technology and Communication Texas Student, Pearson Education, Inc.	HS Credit(s): 1 College Hour(s): NA
<u>Prerequisite(s)</u> : None. This course is a required prerequisite for ALL other courses in the Arts and AV cluster. Offered at: All Tier 1 comprehensive high schools	Tier II
AUDIO VIDEO PRODUCTION I AB (AVPROD AB)	AV08502AB
Careers in audio and video technology and film production span all aspects of the audio video communications	13008500
industry. Students will be expected to develop an understanding of the industry as they focus on pre-production, production, and post-production audio and video activities. In this double-period course, students develop	Grade level: 10 - 11 HS Credit(s): 1
general video production skills necessary for successful employment in broadcasting video production. Students	
learn to operate video cameras, edit linear and nonlinear video, use audio techniques, control and monitor equipment, create media graphics, generate special effects, provide lighting, design sets, write scripts, and direct.	
Instructional Material: Learning Audio/Video Production, 2017 Ed. Pearson Publishing	College Hour(s): NA
<u>Prerequisite(s)</u> : Principles of Arts, A/V Technology, and Communications Offered only at: Polytechnic, Southwest, Trimble Tech and Western Hills	Tier III
HONORS AUDIO VIDEO PRODUCTION I AB (AVPROD AB/H)	AVH08502AB
In addition to the regular course curriculum, students will complete additional projects and activities related to the program of study.	13008500 Grade level: 10 – 12
Instructional Material: Learning Audio/Video Production, 2017 Ed., Pearson Publishing	HS Credit(s): 1
<u>Prerequisite(s)</u> : Principles of Arts, A/V Technology, and Communications Offered only at: Polytechnic, Southwest, Trimble Tech and Western Hills	College Hour(s): NA Tier II
AUDIO VIDEO PRODUCTION I AB/ AUDIO/VIDEO PRODUCTION I LAB/D (AVPLAB1 AB)	AV08512AB
Careers in audio and video technology and film production span all aspects of the audio video communications	13008510
industry. Students will be expected to develop an understanding of the industry as they focus on pre-production, production, and post-production audio and video activities. In this double-period course, students develop general video production skills necessary for successful employment in broadcasting video production. Students learn to operate video cameras, edit linear and nonlinear video, use audio techniques, control and monitor equipment, create media graphics, generate special effects, provide lighting, design sets, write scripts, and direct.	Grade level: 10 - 11 HS Credit(s): 2
Instructional Material: Learning Audio/Video Production, 2017 Ed. Pearson Publishing Prerequisite(s): Principles of Arts, A/V Technology, and Communications	College Hour(s): NA Tier III
Offered only at: Southwest HONORS AUDIO VIDEO PRODUCTION I AB/ AUDIO/VIDEO PRODUCTION I LAB/D	AVH08512AB
(AVPLAB1 AB/H)	.111100512AD
In addition to the regular course curriculum, students will complete additional projects and activities related to	13008510
the program of study.	Grade level: 10 – 12
Instructional Material: Learning Audio/Video Production, 2017 Ed., Pearson Publishing Prerequisite(s): Principles of Arts, A/V Technology, and Communications Offered only at Southwest	HS Credit(s): 2 College Hour(s): NA
Offered only at: Southwest AUDIO VIDEO PRODUCTION II AB (AVPROD2 AB)	Tier II AV08602AB
In Audio Video Production II, students will be expected to develop an advanced understanding of the industry	13008600
with a focus on pre-production, production, and post-production activities. This course may be implemented in an advanced format including both audio and video. The students will begin a portfolio of their video and audio production projects. This course includes a co-requisite lab, which affords necessary time devoted specifically to the production and post-production process.	Grade level: 11 - 12 HS Credit(s): 1

nstructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Audio Video Production I Officed only at: Polytechnic Trimble Tech and Western Hills	College Hour(s): NA Tier III
Offered only at: Polytechnic, Trimble Tech and Western Hills HONORS AUDIO VIDEO PRODUCTION II AB (AVPROD2 AB/H)	AVH08602AB
n addition to the regular course curriculum, students will complete additional projects and activities related to	13008600
the program of study.	Grade level: 11 - 12
nstructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 1
Prerequisite(s): Audio Video Production I	College Hour(s): NA
Offered only at: Polytechnic, Trimble Tech, and Western Hills	Tier II
AUDIO VIDEO PRODUCTION II AB/ AUDIO/VIDEO PRODUCTION II LAB/D (AVPLAB2 AB)	AV08602LAB
n Audio Video Production II, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production activities. This course may be implemented in an advanced format including both audio and video. The students will begin a portfolio of their video and audio production projects. This course includes a co-requisite lab, which affords necessary time devoted specifically to the production and post-production process.	13008610 Grade level: 11 - 12 HS Credit(s): 2
nstructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Audio Video Production I	College Hour(s): NA Tier III
Offered only at: Southwest HONORS AUDIO VIDEO PRODUCTION II AB/ AUDIO VIDEO PRODUCTION II LAB/D (AVPRO2L AB/H)	AVH08602LAB 13008610
n addition to the regular course curriculum, students will complete additional projects and activities related to the program of study.	Grade level: 11 - 12 HS Credit(s): 2
nstructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Audio Video Production I	College Hour(s): NA Tier II
Offered only at: Southwest UNPAID PRACTICUM IN AUDIO VIDEO PRODUCTION/D AB (PRACAVT AB)	AV08702AB
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of	13008700
career and technical education courses within their designated program of study. In this course, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video activities in a studio environment. This course may be mplemented in an advanced audio/video or audio format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Practicum capstone experiences can occur in a	Grade level: 12 HS Credit(s): 2
variety of locations appropriate to the nature and level of experiences such as independent study, assistantships, mentorships, or laboratories. The various in-class capstone experiences include students working in a simulated environment, running an enterprise, or be involved in program-specific local projects the school has approved for this class. Additional capstone experiences also include students being selected to be a part of a work-based experience or industry training off-site, outside of school. Some students may be selected to participate in an unpaid externship with the FWISD instructional radio and television department to explore advanced techniques and theories in all areas of the media industry. Students will build a professional portfolio demonstrating skills in advanced video production, production of narrative media, advanced video screenwriting, documentary preproduction, and TV and radio news production.	
nstructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Audio Video Production I and II	College Hour(s): NA
<u>Prerequisite(s)</u> . Addition Video Production Fand II Offered only at: Polytechnic, Southwest, Trimble Tech and Western Hills	Tier III
HONORS UNPAID PRACTICUM IN AUDIO VIDEO PRODUCTION/D AB (PRACAVT AB/H)	AVH08702AB
n addition to the regular course curriculum, students will complete additional projects and activities related to	13008700
he program of study.	Grade level: 12
nstructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 2
Prerequisite(s): Audio Video Production I and II Offered only at: Polytechnic Southwest Trimble Tech and Western Hills	College Hour(s): NA Tier II
Offered only at: Polytechnic, Southwest, Trimble Tech and Western Hills DIGITAL AUDIO TECHNOLOGY I AB (DIGAUD AB)	AV00882AB
Digital Audio Technology I was designed to provide students interested in audio production careers such as	13009950
audio for radio and television broadcasting, audio for video and film, audio for animation and game design,	Grade level: 10 - 11
music production and live sound, and additional opportunities and skill sets. Students will be expected to develop an understanding of the audio industry with a technical emphasis on production and critical-listening skills.	HS Credit(s): 1
nstructional Material: Learning Audio/Video Production, 2017 Ed., Pearson Publishing Prerequisite(s): Principles of Arts, A/V Technology, and Communications	College Hour(s): NA Tier III
Offered only at: Polytechnic and Western Hills	AVH00882AB
HONORS DIGITAL AUDIO TECHNOLOGY I AB (DIGAUD AB/H)	
HONORS DIGITAL AUDIO TECHNOLOGY I AB (DIGAUD AB/H) n addition to the regular course curriculum, students will complete additional projects and activities related to the program of study.	
	e 13009950 Grade level: 10 – 11 HS Credit(s): 1

	AV08802AB
Careers in graphic design and illustration span all aspects of the advertising and visual communications	13008800
industries. Students will be expected to develop an understanding of the industry with a focus on fundamental	Grade level: 10 - 11 HS Credit(s): 1
elements and principles of visual art and design. In this course, students will receive job-specific training for entry-level employment in advertising design careers. Instruction emphasizes creation and design of graphic	HS Credit(S): 1
materials for use as illustration, advertising, and computer graphics. Students will employ a creative design	
process to create original two- or three- dimensional projects; and apply art elements and principles to	
photographic works and multimedia applications.	
Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc.	College Hour(s): NA
Prerequisite(s): Principles of Arts, A/V Technology, and Communications	Tier III
Offered only at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North	
Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and Young Women's Leadership Academy	
HONORS GRAPHIC DESIGN AND ILLUSTRATION I AB (GRAPHDI AB/H)	AVH08802AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13008800
activities related to the program of study.	Grade level: 10 – 11
Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc.	HS Credit(s): 1
Prerequisite(s): Principles of Arts, A/V Technology, and Communications	College Hour(s): NA
Offered only at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North	Tier II
Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and Young Women's Leadership	
Academy CRADUIC DESIGN AND HUISTRATION FOR VEARBOOK LAR (CRADUDL VR 1AR)	A\/00012AP
GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB) Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video	AV08812AB 13008800
Technology, and Communications Career Cluster, students will be expected to develop an understanding of the	Grade level: 10 - 11
industry with a focus on fundamental elements and principles of visual art, design, and written/visual	HS Credit(s): 1
communications. Students will communicate in a variety of forms such as print, digital, or online media for a	
variety of audiences and purposes. High school students are expected to plan, draft, and complete written	
and/or visual communications for the campus yearbook and carefully examining their copy for clarity, engaging	
language, and the correct use of the conventions and mechanics. Students are expected to become analytical	
consumers of media and technology to enhance their skills. Students will also apply publishing ethics and standards to the yearbook. Published works are5 used as tools for learning as students create, clarify, critique,	
write, and produce effective work. Students will refine and enhance their skills, research, and plan, and organize	
in order to successfully complete yearbook projects.	
Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc.	College Hour(s): NA
Prerequisite(s): None	College Hour(s): NA Tier III
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H)	Tier III AVH08812AB
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and	Tier III AVH08812AB 13008800
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H)	Tier III AVH08812AB 13008800 Grade level: 10 - 11
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	Tier III AVH08812AB 13008800 Grade level: 10 - 11 HS Credit(s): 1
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc.	Tier III AVH08812AB 13008800 Grade level: 10 - 11 HS Credit(s): 1 College Hour(s): NA
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc. Prerequisite(s): None	Tier III AVH08812AB 13008800 Grade level: 10 - 11 HS Credit(s): 1
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc.	Tier III AVH08812AB 13008800 Grade level: 10 - 11 HS Credit(s): 1 College Hour(s): NA Tier II
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc. Prerequisite(s): None GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB)	Tier III AVH08812AB 13008800 Grade level: 10 - 11 HS Credit(s): 1 College Hour(s): NA Tier II AV08810AB
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc. Prerequisite(s): None GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB) Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.	Tier III AVH08812AB 13008800 Grade level: 10 - 11 HS Credit(s): 1 College Hour(s): NA Tier II AV08810AB 13008900 Grade level: 11 - 12 HS Credit(s): 1
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc. Prerequisite(s): None GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB) Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Instructional Material: Communicating Through Graphic, Davis Publications, Inc.	Tier III AVH08812AB 13008800 Grade level: 10 - 11 HS Credit(s): 1 College Hour(s): NA Tier II AV08810AB 13008900 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc. Prerequisite(s): None GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB) Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Instructional Material: Communicating Through Graphic, Davis Publications, Inc. Prerequisite(s): Graphic Design and Illustration I	Tier III AVH08812AB 13008800 Grade level: 10 - 11 HS Credit(s): 1 College Hour(s): NA Tier II AV08810AB 13008900 Grade level: 11 - 12 HS Credit(s): 1
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc. Prerequisite(s): None GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB) Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Instructional Material: Communicating Through Graphic, Davis Publications, Inc. Prerequisite(s): Graphic Design and Illustration I Offered only at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North	Tier III AVH08812AB 13008800 Grade level: 10 - 11 HS Credit(s): 1 College Hour(s): NA Tier II AV08810AB 13008900 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc. Prerequisite(s): None GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB) Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Instructional Material: Communicating Through Graphic, Davis Publications, Inc. Prerequisite(s): Graphic Design and Illustration I Offered only at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and Young Women's Leadership	Tier III AVH08812AB 13008800 Grade level: 10 - 11 HS Credit(s): 1 College Hour(s): NA Tier II AV08810AB 13008900 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc. Prerequisite(s): None GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB) Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Instructional Material: Communicating Through Graphic, Davis Publications, Inc. Prerequisite(s): Graphic Design and Illustration I Offered only at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and Young Women's Leadership Academy	Tier III AVH08812AB 13008800 Grade level: 10 - 11 HS Credit(s): 1 College Hour(s): NA Tier II AV08810AB 13008900 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier III
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc. Prerequisite(s): None GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB) Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Instructional Material: Communicating Through Graphic, Davis Publications, Inc. Prerequisite(s): Graphic Design and Illustration I Offered only at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and Young Women's Leadership Academy HONORS GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB)	Tier III AVH08812AB 13008800 Grade level: 10 - 11 HS Credit(s): 1 College Hour(s): NA Tier II AV08810AB 13008900 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc. Prerequisite(s): None GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB) Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Instructional Material: Communicating Through Graphic, Davis Publications, Inc. Prerequisite(s): Graphic Design and Illustration I Offered only at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and Young Women's Leadership Academy	Tier III AVH08812AB 13008800 Grade level: 10 - 11 HS Credit(s): 1 College Hour(s): NA Tier II AV08810AB 13008900 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier III AVH08810AB
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc. Prerequisite(s): None GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB) Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Instructional Material: Communicating Through Graphic, Davis Publications, Inc. Prerequisite(s): Graphic Design and Illustration I Offered only at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and Young Women's Leadership Academy HONORS GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB) In addition to the regular course curriculum, students in the honors course will complete additional projects and	Tier III AVH08812AB 13008800 Grade level: 10 - 11 HS Credit(s): 1 College Hour(s): NA Tier II AV08810AB 13008900 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier III AVH08810AB 13008900
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc. Prerequisite(s): None GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB) Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Instructional Material: Communicating Through Graphic, Davis Publications, Inc. Prerequisite(s): Graphic Design and Illustration I Offered only at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and Young Women's Leadership Academy HONORS GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic, Davis Publications, Inc. Prerequisite(s): Graphic Design and Illustration I	Tier III AVH08812AB 13008800 Grade level: 10 - 11 HS Credit(s): 1 College Hour(s): NA Tier II AV08810AB 13008900 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier III AVH08810AB 13008900 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc. Prerequisite(s): None GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB) Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Instructional Material: Communicating Through Graphic, Davis Publications, Inc. Prerequisite(s): Graphic Design and Illustration I Offered only at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and Young Women's Leadership Academy HONORS GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic, Davis Publications, Inc. Prerequisite(s): Graphic Design and Illustration I Offered only at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North	Tier III AVH08812AB 13008800 Grade level: 10 - 11 HS Credit(s): 1 College Hour(s): NA Tier II AV08810AB 13008900 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier III AVH08810AB 13008900 Grade level: 11 - 12 HS Credit(s): 1
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc. Prerequisite(s): None GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB) Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Instructional Material: Communicating Through Graphic, Davis Publications, Inc. Prerequisite(s): Graphic Design and Illustration I Offered only at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and Young Women's Leadership Academy HONORS GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic, Davis Publications, Inc. Prerequisite(s): Graphic Design and Illustration I Offered only at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and Young Women's Leadership	Tier III AVH08812AB 13008800 Grade level: 10 - 11 HS Credit(s): 1 College Hour(s): NA Tier II AV08810AB 13008900 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier III AVH08810AB 13008900 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc. Prerequisite(s): None GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB) Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Instructional Material: Communicating Through Graphic, Davis Publications, Inc. Prerequisite(s): Graphic Design and Illustration I Offered only at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and Young Women's Leadership Academy HONORS GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic, Davis Publications, Inc. Prerequisite(s): Graphic Design and Illustration I Offered only at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and Young Women's Leadership Academy	Tier III AVH08812AB 13008800 Grade level: 10 - 11 HS Credit(s): 1 College Hour(s): NA Tier II AV08810AB 13008900 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier III AVH08810AB 13008900 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier III
Prerequisite(s): None HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK I AB (GRAPHDI-YB 1AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic Design, Davis Publications, Inc. Prerequisite(s): None GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB) Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Instructional Material: Communicating Through Graphic, Davis Publications, Inc. Prerequisite(s): Graphic Design and Illustration I Offered only at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and Young Women's Leadership Academy HONORS GRAPHIC DESIGN AND ILLUSTRATION II AB (GRAPHDI2 AB) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Communicating Through Graphic, Davis Publications, Inc. Prerequisite(s): Graphic Design and Illustration I Offered only at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and Young Women's Leadership Academy GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK II AB (GRAPHDI-YB 2AB)	Tier III AVH08812AB 13008800 Grade level: 10 - 11 HS Credit(s): 1 College Hour(s): NA Tier II AV08810AB 13008900 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier III AVH08810AB 13008900 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): NA Tier III
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respondent to appear their chille. Chudente will also apply publishing athies and standards to the yearhools	
technology to enhance their skills. Students will also apply publishing ethics and standards to the yearbook.	
Published works are used as tools for learning as students create, clarify, critique, write, and produce effective	
work. Students will refine and enhance their skills, research, and plan, and organize in order to successfully	
complete yearbook projects.	Callege Haur(s), NA
Instructional Material: Communicating Through Graphic, Davis Publications, Inc.	College Hour(s): NA
Prerequisite(s): Graphic Design and Illustration I HONORS GRAPHIC DESIGN AND ILLUSTRATION FOR YEARBOOK II AB (GRAPHDI-YB 2AB/H)	Tier III AVH08814AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13008900
activities related to the program of study.	Grade level: 11 - 12
retivities related to the program of study.	HS Credit(s): 1
Instructional Material: Communicating Through Graphic, Davis Publications, Inc.	College Hour(s): NA
Prerequisite(s): Graphic Design and Illustration I	Tier II
UNPAID PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION/D AB (PRACCGRADI AB)	AV09002AB
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of	13009000
career and technical education courses within the designated program of study. Careers in graphic design and	Grade level: 12
illustration span all aspects of the advertising and visual communications industry. In this course, students will be	HS Credit(s): 2
expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may	
be delivered through lab-based classroom experiences or career preparation opportunities. Instruction may be	
delivered through lab-based classroom experiences or career preparation opportunities. Practicum capstone	
experiences can occur in a variety of locations appropriate to the nature and level of experiences such as	
independent study, assistantships, mentorships, or laboratories. The various in-class capstone experiences include students working in a simulated environment, running an enterprise, or be involved in program-specific	
local projects the school has approved for this class. Additional capstone experiences also include students	
being selected to be a part of a work-based experience or industry training off-site, outside of school. Students	
will build a professional portfolio demonstrating skills in Graphic Design and Illustration.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Graphic Design and Illustration II and Graphic Design and Illustration Lab II	Tier III
Offered only at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North	
Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and Young Women's Leadership	
Academy ————————————————————————————————————	
HONORS UNPAID PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION/D AB (PRACCGRADI AB/H)	AVH09002AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13009000 Grade level: 12
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 2
Prerequisite(s): Graphic Design and Illustration I and II	College Hour(s): NA
Offered only at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North	Tier II
Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and Young Women's Leadership	
Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and Young Women's Leadership Academy	
Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and Young Women's Leadership Academy PAID PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION AB (PRACCGRAD2 AB)	AV09012AB
Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and Young Women's Leadership Academy PAID PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION AB (PRACCGRAD2 AB) This practicum course is an unpaid capstone experience for students participating in a coherent sequence of	AV09012AB 13009000
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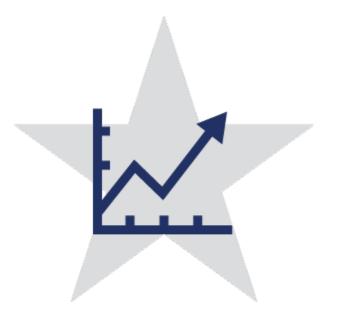
	AV09102AB
	13009100
	Grade level: 10 - 11
	HS Credit(s): 1
s on the basics of photography, commercial composition, print-making, and finishing. In this course, students	
vill analyze principles of commercial photography such as working with clients, interpreting client nstructions, developing production schedules, and delivering products in a competitive market. They will	
produce a variety of photographs using current, industry-standard production processes; and evaluate	
photographs using principles of art, commercial photography standards, and critical-thinking skills.	
	College Hour(s): NA
	Tier III
Offered only at: Trimble Tech	
•	AVH09102AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13009100
	Grade level: 10 - 11
nstructional Material: Photography: Portfolio to Profession, Goodheart-Willcox Co.	HS Credit(s): 1
Prerequisite(s): Principles of Arts, A/V Technology, and Communications	College Hour(s): NA
Offered only at: Trimble Tech	Tier II
· · · · · · · · · · · · · · · · · · ·	AV09202LAB
Careers in commercial photography span all aspects of the industry from setting up a shot to delivering	13009210
products in a competitive market. Within this context, students in this advanced course will develop additional	Grade level: 11 - 12
,	HS Credit(s): 2
expected to develop an understanding of the commercial photography industry with a focus on producing,	
promoting, and presenting professional quality photographs. Students in this advanced class will work toward	
Adobe certifications that will provide a performance acknowledgement for their Business and Industry indorsement. This course includes a co-requisite lab, which affords necessary time devoted to master the	
endorsement. This course includes a co- requisite lab, which affords necessary time devoted to master the content in Commercial Photography II. Each student will maintain a career portfolio to document work	
experiences, licenses, certifications, and work samples.	
	College Hour(s): NA
	Tier III
Offered only at: Trimble Tech	
•	AVH09202LAB
CPHLAB2 AB/H)	
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13009210
nctivities related to the program of study.	Grade level: 11 - 12
nstructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 2
	College Hour(s): NA
	Tier II
JNPAID PRACTICUM IN COMMERCIAL PHOTOGRAPY/D AB (PRACCPH1 AB)	AV09200AB
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and technical education courses within the designated program of study. Careers in commercial photography	Grade level: 12
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	supervised practical application of previously studied knowledge and skills. A student must be a minimum age of	
	16 and hold valid work documentation, such as a Social Security card, to enroll in any of the practicum	
	learning experiences. In order to receive course credit, this course requires that students make a full year	
	commitment to this course and their employment, must have related classroom instruction that averages one	
	class period per week during the school year, are employed for <u>fifteen (15) hours per week</u> (or average of 30 hours	
	across two weeks) at an approved site within ten days of the beginning of the course. Work hours can be included	
	during the school day or outside of school hours. If work hours are during the school day, students can be	
	scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students'	
_	projected graduation plan.	
	Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
	<u>Prerequisite(s)</u> : Commercial Photography II or Commercial Photography Lab II	Tier III
_	Offered only at: Trimble Tech	
	HONORS PAID PRACTICUM IN COMMERCIAL PHOTOGRAPY/EXTENDED AB (EXPRCPH1 AB/H)	AVH09210AB
-	In addition to the regular course curriculum, students in the honors course will complete additional projects and	13009255
	activities related to the program of study.	Grade level: 12
-	Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 3
		, ,
	Prerequisite(s): Commercial Photography II or Commercial Photography Lab II	College Hour(s): NA
_	Offered only at: Trimble Tech	Tier II
_	FASHION DESIGN I AB (FASHDSN AB)	AV09302AB
	Careers in fashion span all aspects of the textile and apparel industries. Within this context, in addition to	13009300
	developing technical knowledge and skills needed for success in the Arts, Audio Video Technology, and	Grade level: 10 - 11
	Communications career cluster, students will be expected to develop an understanding of fashion and the	HS Credit(s): 1
	textile and apparel industries. Students learn to manage a clothing budget, to construct, repair and alter	
	apparel, to plan and maintain an appropriate wardrobe, and to identify quality apparel construction.	
-	Instructional Material: ICEV Business, Marketing, Finance, IT & Media Site, CEV Multimedia Ltd.	College Hour(s): NA
	<u>Prerequisite(s)</u> : Principles of Arts, A/V Technology, and Communications	Tier III
	· · · · · · · · · · · · · · · · · · ·	Hei III
-	Offered only at: Diamond Hill-Jarvis and Trimble Tech	A1/1100300AB
_	HONORS FASHION DESIGN I AB (FASHDSN AB/H)	AVH09302AB
	In addition to the regular course curriculum, students in the honors course will complete additional projects and	13009300
_	activities related to the program of study.	Grade level: 10 - 11
	Instructional Material: CEV Business, Marketing, Finance, IT & Media Site, CEV Multimedia Ltd.	HS Credit(s): 1
	Prerequisite(s): Principles of Arts, A/V Technology, and Communications	College Hour(s): NA
	Offered only at: Diamond Hill-Jarvis and Trimble Tech	Tier II
	FASHION DESIGN II/ FASHION DESIGN II LAB/D AB (FASLAB2 AB)	AV09402LAB
-	FASHION DESIGN II/ FASHION DESIGN II LAB/D AB (FASLAB2 AB) Careers in fashion span all aspects of the textile and apparel industries. Students will be expected to develop an	AV09402LAB 13009410
-	Careers in fashion span all aspects of the textile and apparel industries. Students will be expected to develop an	13009410
=	Careers in fashion span all aspects of the textile and apparel industries. Students will be expected to develop an advanced understanding of fashion, with emphasis on design and production. In this double-period course,	13009410 Grade level: 11 - 12
=	Careers in fashion span all aspects of the textile and apparel industries. Students will be expected to develop an advanced understanding of fashion, with emphasis on design and production. In this double-period course, students will examine textile design and production, and apparel design practices and influences. Topics include	13009410
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Instructional Material: Contact Career and Technical Education Department for related materials. Prerequisite(s): Fashion Design II	College Hour(s): NA Tier III
Offered only at: Diamond Hill-Jarvis and Trimble Tech	MIZELO 4004 A D
HONORS UNPAID PRACTICUM IN ENTREPRENEURSHIP AB (PRACENTRE AB/H)	MKH34801AB N1303425
In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	Grade level: 12
Instructional Material: Contact Career and Technical Education Department for related materials.	HS Credit(s): 2
Prerequisite(s): Fashion Design II	College Hour(s): NA
Offered only at: Diamond Hill-Jarvis and Trimble Tech	Tier II
FASHION MARKETING T (FASHMKTG T)	MK34301T
This specialized course is for students who have a career interest in apparel, fashion, and/or accessory	13034300
marketing. Instruction will cover all aspects of the industry. Students in this course will focus on each of the	Grade level: 11-12
functions of marketing and how they relate to the fashion industry. Students will be able to apply these	HS Credit(s): 0.5
principles and concepts in marketing in their careers and in everyday life. Students in Fashion Marketing will	
gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising,	
and career opportunities in this field. <u>Instructional Material</u> : <i>ICEV Business, Marketing, Finance, IT & Media Site</i> , CEV Multimedia Ltd.	College Hour(s): NA
Prerequisite(s): Principles of Business, Marketing, and Finance or Fashion Design I	Tier III
Course can only be taught by a marketing or family consumer science certified teacher.	
Offered only at: Arlington Heights, Diamond Hill-Jarvis, Paschal and Trimble Tech	
HONORS FASHION MARKETING T (FASHMKTG T/H)	MKH34301T
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13034300
activities related to the program of study.	Grade level: 11 - 12
Instructional Material: ICEV Business, Marketing, Finance, IT & Media Site, CEV Multimedia Ltd.	HS Credit(s): 0.5
<u>Prerequisite(s)</u> : Principles of Business, Marketing, and Finance or Fashion Design I	College Hour(s): NA
Offered only at: Arlington Heights, Diamond Hill-Jarvis, Paschal and Trimble Tech	Tier II
DIGITAL MEDIA AB (DIMEDIA AB)	IT27802AB
Through the study of Digital Media and its application in information technology, students will analyze and assess	13027800
current and emerging technologies, while designing and creating multimedia projects that address customer	Grade level: 10 - 11
needs and resolve a problem. Students implement personal and interpersonal skills to prepare for a rapidly	HS Credit(s): 1
evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. This course will prepare students to prepare to	
take several Adobe certification exams in areas such as Photoshop, Dreamweaver, InDesign, or Illustrator. These	
certifications will provide a performance acknowledgement for the Business and Industry Endorsement.	
Instructional Material: Digital Media – Concepts and Applications 4th Edition 2017; Cengage Learning	College Hour(s): NA
Prerequisite(s): Principles of Arts and A/V or Business Information Management I	Tier III
HONORS DIGITAL MEDIA AB (DIMEDIA AB/H)	ITH27802AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13027800
activities related to the program of study.	Grade level: 10 – 11
	HS Credit(s): 1
Instructional Material: Digital Media – Concepts and Applications 4th Edition 2017; Cengage Learning	College Hour(s): NA
Prerequisite(s): Principles of Arts and A/V or Business Information Management I	Tier II
ANIMATION I AB (ANIMAT1 AB) Careers in animation span all aspects of motion graphics. Within this context, in addition to developing technical.	AV08302AB
Careers in animation span all aspects of motion graphics. Within this context, in addition to developing technical knowledge and skills needed for creating motion graphics, students will be expected to develop an understanding	13008300 Grade level: 11 - 12
of the history and techniques of the animation industry. This course includes a co-requisite lab, which affords	HS Credit(s): 1
necessary time devoted to master the content in Animation I through projects and take the Adobe certification to	5.5416(5). 1
become an Adobe Certified Professional in Animate. This industry certification provides a performance	
acknowledgement for the Business and Industry Endorsement.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
<u>Prerequisite(s)</u> : Principles of Arts and AV and Digital Media, Graphic Design and Illustration I, or Video Game	Tier III
Design	
Offered only at: North Side, OD Wyatt, Polytechnic, Trimble Tech, and Western Hills	
HONORS ANIMATION I AB (ANIMAT1 AB/H)	AVH08302AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13008300
activities related to the program of study.	Grade level: 11 - 12
	HS Credit(s): 1
· · · · · · · · · · · · · · · · · · ·	College Hour(s): NA
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Principles of Arts and AV and Digital Media, Graphic Design and Illustration I, or Video Game	Tior II
<u>Prerequisite(s)</u> : Principles of Arts and AV and Digital Media, Graphic Design and Illustration I, or Video Game Design	Tier II
<u>Prerequisite(s)</u> : Principles of Arts and AV and Digital Media, Graphic Design and Illustration I, or Video Game Design Offered only at: North Side, OD Wyatt, Polytechnic, Trimble Tech, and Western Hills	
Prerequisite(s): Principles of Arts and AV and Digital Media, Graphic Design and Illustration I, or Video Game Design Offered only at: North Side, OD Wyatt, Polytechnic, Trimble Tech, and Western Hills ANIMATION II AB (ANIMAT2 AB)	AV08402AB
Prerequisite(s): Principles of Arts and AV and Digital Media, Graphic Design and Illustration I, or Video Game Design Offered only at: North Side, OD Wyatt, Polytechnic, Trimble Tech, and Western Hills ANIMATION II AB (ANIMAT2 AB) Careers in animation span all aspects of motion graphics. Within this context, students will be expected to create	AV08402AB 13008400
Prerequisite(s): Principles of Arts and AV and Digital Media, Graphic Design and Illustration I, or Video Game Design Offered only at: North Side, OD Wyatt, Polytechnic, Trimble Tech, and Western Hills ANIMATION II AB (ANIMAT2 AB)	AV08402AB

and Industry Endorsement. <u>Instructional Material</u> : Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Animation I and Animation I Lab	Tier II
Offered only at: North Side, OD Wyatt, Polytechnic, Trimble Tech, and Western Hills	
HONORS ANIMATION II (ANIMAT2 AB/H)	AVH08402AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13008400 Grade level: 11-12
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 1
<u>Prerequisite(s)</u> : Animation I and Animation I Lab Offered only at: North Side, OD Wyatt, Polytechnic, Trimble Tech, and Western Hills	College Hour(s): NA Tier II
UNPAID PRACTICUM IN ANIMATION AB (PRACANI1 AB)	AV08450AB
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of career and technical education courses within the designated program of study. In this course, students develop advanced technical knowledge and skills needed for success in the Arts, Audio/Video industry. Students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production animation products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Practicum capstone experiences can occur in a variety of locations appropriate to the nature and level of experiences such as independent study, assistantships, mentorships, or laboratories. The various in-class capstone experiences	13008450 Grade level: 12 HS Credit(s): 2
include students working in a simulated environment, running an enterprise, or be involved in program-specific local projects the school has approved for this class. Additional capstone experiences also include students being selected to be a part of a work-based experience or industry training off-site, outside of school. Students will build a professional portfolio demonstrating skills in Animation.	
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Animation I	College Hour(s): NA Tier III
Offered only at: Arlington Heights, Northside, OD Wyatt, South Hills, and Trimble Tech HONORS UNPAID PRACTICUM IN ANIMATION AB/H (PRACANI1 AB/H)	AVH08450AB
In addition to the regular course curriculum, students in the honors course will complete additional projects	13008450
and activities related to the program of study.	Grade level: 12
<u>Instructional Material</u> : Contact Career and Technical Education Department for related materials <u>Prerequisite(s)</u> : Animation I Offered only at: Arlington Heights, Northside, OD Wyatt, South Hills, and Trimble Tech	HS Credit(s): 2 College Hour(s): NA Tier II
VIDEO GAME DESIGN AB (VIDEOGD AB)	AV00992AB
In Video Game Design, the student will be provided the opportunity to design, program, and create a functional video game. The course will introduce basic programming language and skills that are essential to developing a video game. Topics covered are math, physics, design, and computer programming. This course will instruct students on how to apply the design or problem-solving process in order to create a real-world solution and learn the basics of programming structure and functions. Instructional Material: Video Game Design Foundations, Goodheart-Willcox Co.,	13009970 Grade level: 10 - 11 HS Credit(s): 1
<u>Prerequisite(s)</u> : Principles of Arts, Audio Video Technology and Communications Offered only at: South Hills	College Hour(s): NA Tier III
HONORS VIDEO GAME DESIGN AB (VIDEOGD AB/H)	AVH00992AB
n addition to the regular course curriculum, students in the honors course will complete additional projects	13009970
and activities related to the program of study. Instructional Material: Video Game Design Foundations, Goodheart-Willcox Co.	Grade level: 10 – 11 HS Credit(s): 1
Prerequisite(s): Principles of Arts, Audio Video Technology and Communications Offered only at: South Hills	College Hour(s): NA
VIDEO GAME PROGRAMMING AB (VIDEOPR AB)	AV00994AB
	N1300994 Grade level: 10-11
languages such as: C# programming, XNA game studio, Java, and Android App. In this course, students will investigate the inner workings of a fully functional role-playing game (RPG) by customizing playable characters,	HS Credit(s): 1
anguages such as: C# programming, XNA game studio, Java, and Android App. In this course, students will nvestigate the inner workings of a fully functional role-playing game (RPG) by customizing playable characters, tems, maps, and chests and eventually applying customizations by altering and enhancing the core game code. <u>nstructional Material</u> : Contact Career and Technical Education Department for related materials <u>Prerequisite(s)</u> : None	College Hour(s): NA Tier III
anguages such as: C# programming, XNA game studio, Java, and Android App. In this course, students will nvestigate the inner workings of a fully functional role-playing game (RPG) by customizing playable characters, tems, maps, and chests and eventually applying customizations by altering and enhancing the core game code. nstructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: South Hills HONORS VIDEO GAME PROGRAMMING AB (VIDEOPR AB)-	College Hour(s): NA
anguages such as: C# programming, XNA game studio, Java, and Android App. In this course, students will nvestigate the inner workings of a fully functional role-playing game (RPG) by customizing playable characters, tems, maps, and chests and eventually applying customizations by altering and enhancing the core game code. nstructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: South Hills HONORS VIDEO GAME PROGRAMMING AB (VIDEOPR AB)- n addition to the regular course curriculum, students in the honors course will complete additional projects and	College Hour(s): NA Tier III AVH00994AB N1300994
Video Game Programming expands on the foundation created in Video Game Design through programming languages such as: C# programming, XNA game studio, Java, and Android App. In this course, students will investigate the inner workings of a fully functional role-playing game (RPG) by customizing playable characters, items, maps, and chests and eventually applying customizations by altering and enhancing the core game code. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: South Hills HONORS VIDEO GAME PROGRAMMING AB (VIDEOPR AB)- In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None	College Hour(s): NA Tier III AVH00994AB N1300994 Grade level: 10-11 HS Credit(s): 1 College Hour(s): NA
anguages such as: C# programming, XNA game studio, Java, and Android App. In this course, students will investigate the inner workings of a fully functional role-playing game (RPG) by customizing playable characters, items, maps, and chests and eventually applying customizations by altering and enhancing the core game code. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: South Hills HONORS VIDEO GAME PROGRAMMING AB (VIDEOPR AB)- In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA Tier III AVH00994AB N1300994 Grade level: 10-11 HS Credit(s): 1

and working with Android Studio to develop real working apps. Using Unity as an introduction to 3D game development, students will have exposure to and an understanding of object-oriented programming concepts; game development skill with programs such as Unity; 3D modeling with programs such as Blender; image manipulation with programs such as GIMP; concepts related to the design process; and the ability to communicate and collaborate on group-based projects.	HS Credit(s): 1
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): None	Tier III
Recommended Prerequisite(s): Video Game Programming	
Offered only at: South Hills	
HONORS ADVANCED VIDEO GAME PROGRAMMING AB (ADVIDEOGP AB/H)	AVH00995AB
In addition to the regular course curriculum, students in the honors course will complete additional projects	N1300995
and activities related to the program of study.	Grade level: 11-12
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 1
Prerequisite(s): None	College Hour(s): NA
Recommended Prerequisite(s): Video Game Programming	Tier II
Offered only at: South Hills	



Business, Marketing, and Finance

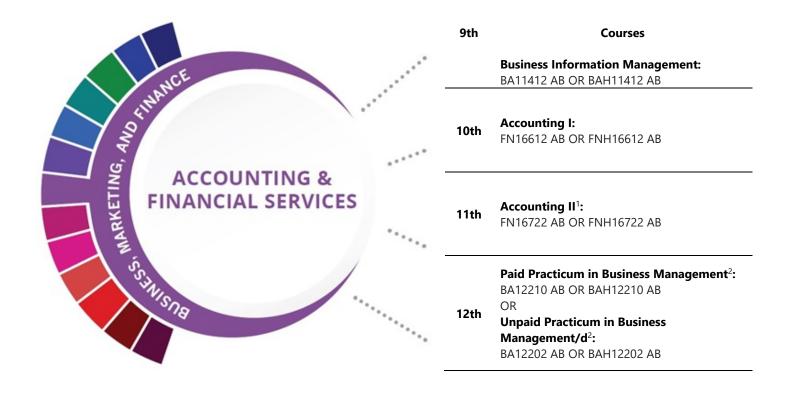
Accounting and Financial Services

Business Management

Entrepreneurship

Marketing and Sales

To reach CTE Completer status, students complete and pass three or more 19 TAC Chapter 126 (C), 127 (B), or 130 CTE courses for four or more credits within a program of study, including at least one level three or level four course from the same program of study.



• Money Matters: FN16201AB OR FNH16201AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Intuit QuickBooks Certified User (QBCU)¹
- Not counted toward Performance Acknowledgment: OSHA 10-Hour General Industry Certification²

Available at:

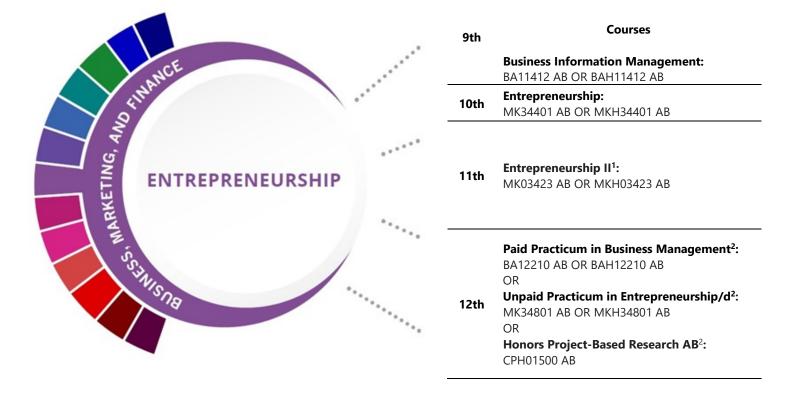
- Paschal HS
- Polytechnic HS

The Accounting and Financial Services program of study teaches CTE concentrators how to examine, analyze, and interpret financial records. Through this program of study, students will learn the skills necessary to perform financial services, prepare financial statements, interpret accounting records, give advice, or audit and evaluate statements prepared by others. This program of study will also introduce students to mathematical modeling tools.



The Business, Marketing, and Finance Career Cluster® focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

Successful completion of the Accounting & Financial Services program of study will fulfill requirements of the Business and Industry Endorsement. Revised - July 2020



• Accounting I: FN16612AB OR FNH16612AB

Money Matters: FN16201AB OR FNH16201AB

Mobile Application Development: TA80390 AB OR TAH80390 AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Entrepreneurship and Small Business (ESB)¹
- Not Counted towards Performance Acknowledgment: OSHA 10-Hour General Industry Certification²

Available at:

- Arlington Heights HS
- Carter-Riverside HS
- Diamond-Hill Jarvis HS
- Dunbar HS
- Eastern Hills HS
- North Side HS
- OD Wyatt HS

- Paschal HS
- Polytechnic HS
- South Hills HS
- Southwest HS
- Western Hills
- World Languages Institute HS
- Young Men's Leadership Academy HS

The Entrepreneurship program of study teaches CTE concentrators how to plan, direct, and coordinate the management and operations of public or private sector organizations. Through this program of study, students will learn the skills necessary to formulate policies, manage daily operations, analyze management structures, and plan for the use of materials and human resources.



The Business, Marketing, and Finance Career Cluster® focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

Successful completion of the Entrepreneurship program of study will fulfill requirements of the Business and Industry Endorsement. Revised - July 2020



9th Principles of Business, Marketing, and

Finance:

BA11201 AB OR BAH11201 AB

Fashion Marketing T:

MK34301 T OR MKH34301 T

10th AND

Sports and Entertainment Marketing T:

MK34601 T OR MKH34601 T

Social Media Marketing T¹:

MK34901 T OR MKH34901 T

11th AND

Advertising T¹:

MK34201 T OR MKH34201

Advanced Marketing/d²:

MK34700 AB OR MKH34700 AB

12th OR

Paid Practicum in Marketing²:

MK34812 AB OR MKH34812 AB

Enrichment Courses:

• Entrepreneurship: MK34401 AB OR MKH34401 AB

Accounting I: FN16612 AB OR FNH16612 AB

• Money Matters: FN16201 AB OR FNH16201 AB

Certification Options:

• Industry Certification Opportunities for Performance Acknowledgment: Entrepreneurship and Small Business (ESB) Certification

Not Counted towards Performance Acknowledgment: OSHA 10-Hour General Industry Certification²

Available at:

- Benbrook HS
- Paschal HS

The Marketing program of study teaches CTE concentrators how to collect information to determine potential sales of a product or service and/or create a marketing campaign to market or distribute goods and services. Through this program of study, students will learn the skills necessary to understand and apply data on customer demographics, preferences, needs, and buying habits.



The Business, Marketing, and Finance Career Cluster® focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

Successful completion of the Marketing and Sales program of study will fulfill requirements of the Business and Industry Endorsement. Revised - July 2020



Principles of Business, Marketing, and Finance: BA11201 AB OR BAH11201 AB

Social Media Marketing T:

MK34901 T OR MKH34901 T

10th AND

9th

Advertising T:

MK34201 T OR MKH34201

11th Advanced Marketing/d¹:

MK34700 AB OR MKH34700 AB

Unpaid Practicum in Entrepreneurship/d²:

12th MK34801 AB OR MKH34801 AB

OR

Paid Practicum in Marketing²:

MK34812 AB OR MKH34812 AB

Enrichment Courses:

Entrepreneurship: MK34401 AB OR MKH34401 AB

Sports and Entertainment Marketing T: MK34601 T OR MKH34601 T

• Fashion Marketing T: MK34301 T OR MKH34301 T

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Entrepreneurship and Small Business (ESB) Certification¹
- Not Counted towards Performance Acknowledgment: OSHA 10-Hour General Industry Certification²

Available at:

• Trimble Technical High School

The Social Media Marketing program of study teaches CTE concentrators how to collect information to determine potential sales of a product or service and/or create a marketing campaign to market or distribute goods and services. Through this program of study, students will learn the skills necessary to understand and apply data on customer demographics, preferences, needs, and buying habits, using digital analytics.



The Business, Marketing, and Finance Career Cluster® focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

Successful completion of the Social Media Marketing program of study will fulfill requirements of the Business and Industry Endorsement. Revised - July 2020





9th Principles of Business, Marketing, and Finance: BA11201 AB OR BAH11201 AB

Business Law:

10th MK34901 T OR MKH34901 T

Business Management¹:

11th BA12102 AB OR BAH12102 AB

Paid Practicum in Business Management²:

BA12210 AB OR BAH12210 AB

12th OR

Unpaid Practicum in Entrepreneurship/d²:

MK34801 AB OR MKH34801 AB

Enrichment Courses:

• Global Business: BA11801T OR Honors: BAH11801T

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Entrepreneurship and Small Business (ESB) Certification¹
- Not Counted towards Performance Acknowledgment: OSHA 10-Hour General Industry Certification²

Available at:

Trimble Technical High School

The Retail & Entrepreneurship program of study teaches CTE learners how to plan, direct, and coordinate the administrative services and operations of an organization. Through this program of study, students will learn the skills necessary to formulate policies, manage daily operations, and allocate the use of materials and human resources. This program of study will also introduce students to mathematical modeling tools and organizational evaluation methods.



The Business, Marketing, and Finance Career Cluster® focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

Successful completion of the Retail & Entrepreneurship program of study will fulfill requirements of the Business and Industry Endorsement. Revised - July 2020

COURSE DESCRIPTIONS FOR BUSINESS, MARKETING, AND FINANCE CLASSES

PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE AB (PRINBMF AB)	BAH11201AB
In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private	13011200
enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing.	Grade level: 9 - 10
Students analyze the sales process and financial management principles. This course allows students to reinforce,	HS Credit(s): 1
apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and	
settings in business, marketing, and finance. <u>Instructional Material</u> : Principles of Business, Marketing, and Finance, 9 th Edition 2017, Goodheart-Willcox Co.	Collogo Hour(s): NA
<u>Prerequisite(s):</u> None	College Hour(s): NA Tier III
Offered at: Benbrook MHS, Paschal HS, Trimble Tech HS	Hei III
HONORS PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE AB (PRINBMF AB/H)	BAH11201AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13011200
activities related to the program of study.	Grade level: 9 - 10
Instructional Material: Principles of Business, Marketing, and Finance, 9 th Edition 2017, Goodheart-Willcox Co.	HS Credit(s): 1 Colleg
Prerequisite(s): None	Hour(s): NA
Offered at: Benbrook MHS, Paschal HS, Trimble Tech HS	Tier II
TOUCH SYSTEM DATA ENTRY T (TSDATAE T)	BA11301T
In Touch System Data Entry, students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them	13011300 Grade level: 9 - 10
technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will need to apply touch system data entry skills for the production of	HS Credit(s): 0.5
business documents.	113 Credit(s). 0.3
	College Haurish NA
Instructional Material: Century 21 computer skills and Applications, Lesson 1-90, 10th Edition Cengage Learning Prerequisite(s): None	College Hour(s): NA Tier III
BUSINESS LAW AB (BUSLAW AB)	BA11701AB
Business Law is designed for students to analyze various aspects of the legal environment, including ethics, the	13011700
judicial system, contracts, personal property, sales, negotiable instruments, agency and employment, business	Grade level: 11 - 12
organization, risk management, and real property.	HS Credit(s): 1
Instructional Material: Law for Business and Personal Use, 2017, Cengage Learning Inc.	College Hour(s): NA
<u>Prerequisite(s)</u> : Principles of Business, Marketing and Finance	Tier III
Offered at: Trimble Tech HS	
HONORS BUSINESS LAW AB (BUSLAW AB/H)	BAH11701AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13011700
activities related to the program of study.	Grade level: 11 – 12
Instructional Material: Law for Business and Personal Use, 2017, Cengage Learning Inc.	HS Credit(s): 1
<u>Prerequisite(s)</u> : Principles of Business, Marketing and Finance	College Hour(s): NA
Offered at: Trimble Tech HS	Tier II
BUSINESS MANAGEMENT AB (BUSMGT AB)	BA12102AB
Business Management is designed to familiarize students with the concepts related to business management as	13012100
well as the functions of management, including planning, organizing, staffing, leading, and controlling. Students	Grade level: 11 - 12
will also demonstrate interpersonal and project-management skills.	HS Credit(s): 1
Instructional Material: Business Management 14th edition, 2017, Cengage Learning Inc.	College Hour(s): NA
<u>Prerequisite(s)</u> : Business Information Management	Tier III
Offered at: Trimble Tech HS	
HONORS BUSINESS MANAGEMENT AB (BUSMGT AB/H)	BAH12102AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13012100
activities related to the program of study.	Grade level: 11-12
Instructional Material: Business Management 14th edition, 2017, Cengage Learning Inc.	HS Credit(s): 1
<u>Prerequisite(s)</u> : Business Information Management	College Hour(s): NA
Offered at: Trimble Tech HS	Tier II
GLOBAL BUSINESS T (GLOBBUS T)	BA11801T
Global Business is designed for students to analyze global trade theories, international monetary systems, trade	13011800
policies, politics, and laws relating to global business as well as cultural issues, logistics, and international human	Grade level: 11 - 12
resource management.	HS Credit(s): 0.5
Instructional Material: Business, Marketing, Finance, IT & Media Site, CEV Multimedia Ltd.	College Hour(s): NA
Prerequisite(s): Business Law or Business Management	Tier III
Offered at: Trimble Tech HS	
HONORS GLOBAL BUSINESS T (GLOBBUS T/H)	BAH11801T
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13011800
activities related to the program of study.	Grade level: 11 - 12

<u>Instructional Material</u> : <i>Business, Marketing, Finance, IT & Media Site</i> , CEV Multimedia Ltd. <u>Prerequisite(s)</u> : Business Law or Business Management Offered at: Trimble Tech HS	HS Credit(s): 0.5 College Hour(s): NA Tier II
BUSINESS INFORMATION MANAGEMENT I AB (BUSIM1 AB)	BA11412AB
In Business Information Management I, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.	13011400 Grade level: 9 - 12 HS Credit(s): 1
Instructional Material: Cashman Series: Microsoft Office 365 and Office 2016: Introductory, Cengage Learning, Inc. Prerequisite(s): None	College Hour(s): NA
Offered at: Arlington Heights, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Trimble Tech, Western Hills, World Languages Institute, Young Men's Leadership Academy	
HONORS BUSINESS INFORMATION MANAGEMENT I AB (BUSIM1 AB/H)	BAH11412AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13011400 Grade level: 9 – 12
Instructional Material: Cashman Series: Microsoft Office 365 and Office 2016: Introductory, Cengage Learning, Inc. Prerequisite(s): None Offered at: Arlington Heights, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Trimble Tech, Western Hills, World Languages Institute, Young Men's Leadership Academy	HS Credit(s): 1 College Hour(s): NA Tier II
DUAL CREDIT BUSINESS INFORMATION MANAGEMENT I AB (BUSIM1 AB DC) TCC COURSE: Business Computer Applications (BCIS 1305)	BAD11412AB
*Courses may change due to availability	10011100
Students will study computer terminology, hardware, and software related to the business environment. The focus of this course is on business productivity software applications and professional behavior in computing, including	13011400 Grade level: 9 - 12
word processing (as needed), spreadsheets databases, presentation graphics, and business-oriented utilization of the Internet.	HS Credit(s): 1
Instructional Material: TCC Course: Business Computer Applications (BCIS 1305)	College Hour(s): 3
<u>FWISD Prerequisite(s)</u> : None <u>TCC Prerequisite(s)</u> : TSI	Tier I
Offered only at: Marine Creek and TCC South Collegiate HS (P-Tech)	
UNPAID PRACTICUM IN BUSINESS MANAGEMENT AB (PRACBM AB)	BA12202AB
	DA 12202AB
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of career and technical education courses within the designated program of study. This course is designed to give students supervised practical application of previously studied knowledge and skills. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Practicum capstone experiences can occur in a variety of locations appropriate to the nature and level of experiences such as independent study, assistantships, mentorships, or laboratories. The various in-class capstone experiences include students working in a simulated environment, running an enterprise, or be involved in program-specific local projects the school has approved for this class. Additional capstone experiences also include students being selected to be a part of a work-based experience or industry training off-site, outside of	13012200 Grade level: 11-12 HS Credit(s): 2
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of career and technical education courses within the designated program of study. This course is designed to give students supervised practical application of previously studied knowledge and skills. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Practicum capstone experiences can occur in a variety of locations appropriate to the nature and level of experiences such as independent study, assistantships, mentorships, or laboratories. The various in-class capstone experiences include students working in a simulated environment, running an enterprise, or be involved in program-specific local projects the school has approved for this class. Additional capstone experiences also include students being selected to be a part of a work-based experience or industry training off-site, outside of school. Students will build a professional portfolio demonstrating skills in Business Management. Instructional Material: Contact Career and Technical Education Department for related materials	13012200 Grade level: 11-12
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of career and technical education courses within the designated program of study. This course is designed to give students supervised practical application of previously studied knowledge and skills. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Practicum capstone experiences can occur in a variety of locations appropriate to the nature and level of experiences such as independent study, assistantships, mentorships, or laboratories. The various in-class capstone experiences include students working in a simulated environment, running an enterprise, or be involved in program-specific local projects the school has approved for this class. Additional capstone experiences also include students being selected to be a part of a work-based experience or industry training off-site, outside of school. Students will build a professional portfolio demonstrating skills in Business Management. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): 2 credits from a combination of Business courses Offered at: Pascha	13012200 Grade level: 11-12 HS Credit(s): 2 College Hour(s): NA
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of career and technical education courses within the designated program of study. This course is designed to give students supervised practical application of previously studied knowledge and skills. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Practicum capstone experiences can occur in a variety of locations appropriate to the nature and level of experiences such as independent study, assistantships, mentorships, or laboratories. The various in-class capstone experiences include students working in a simulated environment, running an enterprise, or be involved in program-specific local projects the school has approved for this class. Additional capstone experiences also include students being selected to be a part of a work-based experience or industry training off-site, outside of school. Students will build a professional portfolio demonstrating skills in Business Management. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): 2 credits from a combination of Business courses Offered at: Pascha	College Hour(s): NATier III BAH12202AB 13012200
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of career and technical education courses within the designated program of study. This course is designed to give students supervised practical application of previously studied knowledge and skills. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Practicum capstone experiences can occur in a variety of locations appropriate to the nature and level of experiences such as independent study, assistantships, mentorships, or laboratories. The various in-class capstone experiences include students working in a simulated environment, running an enterprise, or be involved in program-specific local projects the school has approved for this class. Additional capstone experiences also include students working in a simulated environment, running an enterprise, or be involved in program-specific local projects the school has approved for this class. Additional capstone experiences also include students working in a simulated environment, running an enterprise, or be involved in program-specific local projects the school has approved for this class. Additional capstone exper	Tier III 13012200 Grade level: 11-12 HS Credit(s): 2 College Hour(s): NA Tier III
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of career and technical education courses within the designated program of study. This course is designed to give students supervised practical application of previously studied knowledge and skills. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Practicum capstone experiences can occur in a variety of locations appropriate to the nature and level of experiences such as independent study, assistantships, mentorships, or laboratories. The various in-class capstone experiences such as independent study, assistantships, mentorships, or laboratories. The various in-class capstone experiences include students working in a simulated environment, running an enterprise, or be involved in program-specific local projects the school has approved for this class. Additional capstone experiences also include students being selected to be a part of a work-based experience or industry training off-site, outside of school. Students will build a professional portfolio demonstrating skills in Business Management. Instructional Material: Contact Career and Technical Education Dep	College Hour(s): NATier III BAH12202AB 13012200 Grade level: 11-12 HS Credit(s): 2 College Hour(s): NA

interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decision. A student must be a minimum age of 16 and hold valid work documentation, such as a Social Security card, to enroll in any of the paid practicum learning experiences. In order to receive course credit, this course requires that students make a full year commitment to this course and their employment, must have related classroom instruction that averages one class period per week during the school year, are employed for fifteen (15) hours per week (or average of 30 hours across two weeks) at an approved site within ten days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan.	
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): 2 credits from a combination of Business courses Offered only at: Arlington Heights, Carter Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Trimble Tech, Western Hills, World Languages Institute, and Young Men's Leadership Academy	College Hour(s): NA Tier III
HONORS PAID PRACTICUM IN BUSINESS MANAGEMENT/EXTENDED AB (EXPBM1 AB/H)	BAH12210AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13012205 Grade level: 12
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): 2 credits from a combination of Business courses Offered only at: Arlington Heights, Carter Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Trimble Tech, Western Hills, World Languages Institute, and Young Men's Leadership Academy	HS Credit(s): 3 College Hour(s): NA Tier II
MONEY MATTERS AB (MONEYM AB)	FN16201AB
In Money Matters, students will investigate money management from a personal financial perceptive. Students will apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to establish short-term and long-term financial goals. Students will examine various methods of achieving short-term and long-term financial goals through various methods such as investing, tax planning, asset allocating, risk management, retirement planning, and estate planning.	13016200
Instructional Material: Contact Career and Technical Education for related materials Prerequisite(s): None	College Hour(s): NA Tier III
HONORS MONEY MATTERS AB (MONEYM AB/H)	FNH16201AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13016200 Grade level: 10 – 12 HS Credit(s): 1
Instructional Material: Contact Career and Technical Education for related materials Prerequisite(s): None	College Hour(s): NA Tier II
ACCOUNTING I AB (ACCOUNT1 AB)	FN16612AB
In Accounting I, students will investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students will reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students will formulate and interpret financial information for use in management decision making. Accounting includes such activities as bookkeeping, systems design, analysis, and interpretation of accounting information.	Grade level: 11 - 12 HS Credit(s): 1
Instructional Material: Century 21 Accounting: General Journal, Cengage Learning Prerequisite(s): Money Matters Offered only at: Arlington Heights, Eastern Hills, North Side, Paschal, Polytechnic, South Hills, Trimble Tech, Western Hills, and O.D. Wyatt	College Hour(s): NA Tier III
HONORS ACCOUNTING I AB (ACCOUNT1 AB/H)	FNH16612AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13016600 Grade level: 11 – 12
Instructional Material: Century 21 Accounting: General Journal, Cengage Learning Prerequisite(s): Money Matters in Accounting & Finance Focus or Business Information Management II if Business Information Management Focus Offered at: Arlington Heights, Eastern Hills, North Side, Paschal, Polytechnic, South Hills, Trimble Tech, Western Hills, and O.D. Wyatt	HS Credit(s): 1 College Hour(s): NA Tier II
ACCOUNTING II AB (ACCOUNT2 AB)	FN16722AB
In Accounting II, students will continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students will reflect on this knowledge as they engage in various managerial, financial, and operational accounting	13016700 Grade level: 12 HS Credit(s): 1

and accounting systems in real-world situations to maintain, monitor, control, and plan the use of financial resources.	
Instructional Material: Century 21 Accounting: General Journal, Cengage Learning	College Hour(s): NA
<u>Prerequisite(s)</u> : Accounting I Offered only at: Polytechnic	Tier III
HONORS ACCOUNTING II AB (ACCOUNT2 AB/H)	FNH16722AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13016700
activities related to the program of study.	Grade level: 12
nstructional Material: Century 21 Accounting: General Journal, Cengage Learning	HS Credit(s): 1
Prerequisite(s): Accounting I	College Hour(s): NA
Offered only at: Polytechnic	Tier II
DUAL CREDIT ACCOUNTING IA (ACCOUNT1 A DC)	FND16612A
TCC Course: Principles of Financial Accounting: (ACCT 2301)	
*Courses may change due to availability This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S.	13016600
generally accepted accounting principles (GAAP) as applied to transactions and events that affect business	Grade level: 11 - 12
organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record	HS Credit(s): 0.5
financial transactions. Students will use recorded financial information to prepare a balance sheet, income	(5). 5.5
statement, statement of cash flows, and statement of shareholders' equity to communicate the business entity's	
results of operations and financial position to users of financial information who are external to the company.	
Students will study the nature of assets, liabilities, and owners' equity while learning to use reported financial	
nformation for purposes of making decisions about the company. Students will be exposed to International	
Financial Reporting Standards (IFRS).	
nstructional Material: TCC Course: Principles of Financial Accounting (ACCT	College Hour(s): 3
2301) <u>TCC Prerequisite(s)</u> : TSI compliant in Math <u>TCC Recommended Co-requisites</u> : MATH 1324	Tier I
Course taught by an approved adjunct instructor.	
Offered only at: Marine Creek and TCC South Collegiate HS (P-Tech)	
DUAL CREDIT ACCOUNTING IB (ACCOUNT1B DC)	FND16612B
TCC Course: Principles of Managerial Accounting: (ACCT 2302)	
*Courses may change due to availability	
This course is an introduction to the fundamental concepts of managerial accounting appropriate for all	13016600
organizations. Students will study information from the entity's accounting system relevant to decisions made by	Grade level: 11 - 12
nternal managers, as distinguished from information relevant to users who are external to the company. The	HS Credit(s): 0.5
emphasis is on the identification and assignment of product costs, operational budgeting and planning, cost	
control, and management decision making. Topics include product costing methodologies, cost behavior, operational and capital budgeting, and performance evaluation.	
Instructional Material: TCC Course: Principles of Managerial Accounting (ACCT 2302)	College Hour(s): 3
TCC Prerequisite(s): ACCT-2301	Tier I
Course taught by an approved adjunct instructor.	
Offered only at: Marine Creek and TCC South Collegiate HS (P-Tech)	
ENTREPRENEURSHIP AB (ENTREP AB)	MK34401AB
Students will be introduced to knowledge and skills entrepreneurs use on a daily basis. In this course, students	13034400
will participate in activities to use the principles necessary to begin and operate a business. The primary focus of	Grade level: 11 - 12
the course is to help students understand the process of analyzing a business opportunity, preparing a business	HS Credit(s): 1
olan, determining feasibility of an idea using research, and developing a plan to organize and promote the ousiness and its products and services. In addition, students understand the capital required, the return on	
nvestment desired, and the potential for profit.	
Instructional Material: Entrepreneurship: Owning Your Future 12e, Pearson Education, Inc.	College Hour(s): NA
Prerequisite(s): Advertising or Business Information Management	Tier III
	
Offered only at: Arlington Heights, Benbrook, Eastern Hills, North Side, Paschal, Trimble Tech, OD Wyatt and YMLA	MKH34401AB
	13034400
HONORS ENTREPRENEURSHIP AB (ENTREP AB/H)	
HONORS ENTREPRENEURSHIP AB (ENTREP AB/H) n addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	Grade level: 11 – 12
HONORS ENTREPRENEURSHIP AB (ENTREP AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Entrepreneurship: Owning Your Future 12e, Pearson Education, Inc.	
HONORS ENTREPRENEURSHIP AB (ENTREP AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Entrepreneurship: Owning Your Future 12e, Pearson Education, Inc. Pererequisite(s): Advertising or Business Information Management	Grade level: 11 – 12 HS Credit(s): 1 College Hour(s): NA
HONORS ENTREPRENEURSHIP AB (ENTREP AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Entrepreneurship: Owning Your Future 12e, Pearson Education, Inc. Pererequisite(s): Advertising or Business Information Management Offered only at: Arlington Heights, Benbrook, Eastern Hills, North Side, Paschal, Trimble Tech, OD Wyatt and YMLA	Grade level: 11 – 12 HS Credit(s): 1 College Hour(s): NA Tier II
Offered only at: Arlington Heights, Benbrook, Eastern Hills, North Side, Paschal, Trimble Tech, OD Wyatt and YMLA HONORS ENTREPRENEURSHIP AB (ENTREP AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Entrepreneurship: Owning Your Future 12e, Pearson Education, Inc. Prerequisite(s): Advertising or Business Information Management Offered only at: Arlington Heights, Benbrook, Eastern Hills, North Side, Paschal, Trimble Tech, OD Wyatt and YMLA ENTREPRENEURSHIP II AB (ENTPRNR2 AB)	Grade level: 11 – 12 HS Credit(s): 1 College Hour(s): NA Tier II MK03423AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Entrepreneurship: Owning Your Future 12e, Pearson Education, Inc. Pererequisite(s): Advertising or Business Information Management Offered only at: Arlington Heights, Benbrook, Eastern Hills, North Side, Paschal, Trimble Tech, OD Wyatt and YMLA ENTREPRENEURSHIP II AB (ENTPRNR2 AB) Students will be introduced to knowledge and skills entrepreneurs use on a daily basis. In this course, students	Grade level: 11 – 12 HS Credit(s): 1 College Hour(s): NA Tier II MK03423AB N1303423
n addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Entrepreneurship: Owning Your Future 12e, Pearson Education, Inc. Pererequisite(s): Advertising or Business Information Management Offered only at: Arlington Heights, Benbrook, Eastern Hills, North Side, Paschal, Trimble Tech, OD Wyatt and YMLA ENTREPRENEURSHIP II AB (ENTPRNR2 AB)	Grade level: 11 – 12 HS Credit(s): 1 College Hour(s): NA Tier II MK03423AB

nstructional Material: Entrepreneurship: Owning Your Future 12e, Pearson Education, Inc.	College Hour(s): NA
Prerequisite(s): Entrepreneurship	Tier III
Offered only at: Arlington Heights, Benbrook, Eastern Hills, North Side, Paschal, Trimble Tech, OD Wyatt and YMLA	
HONORS ENTREPRENEURSHIP II AB (ENTPRNR2 AB/H)	MKH03423AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	N1303423
activities related to the program of study.	Grade level: 11 – 12
nstructional Material: Entrepreneurship: Owning Your Future 12e, Pearson Education, Inc. Prerequisite(s): Entrepreneurship	HS Credit(s): 1 College Hour(s): NA
Offered only at: Arlington Heights, Benbrook, Eastern Hills, North Side, Paschal, Trimble Tech, OD Wyatt and YMLA	Tier II
MOBILE APPLICATION DEVELOPMENT (TAMBAD AB)	TA80390AB
Mobile Application Development fosters creativity and innovation by presenting opportunities to design,	03580390
mplement, and deliver meaningful projects using mobile computing devices. Students will collaborate with one	Grade level: 11 - 12
another, their instructor, and various electronic communities to solve problems presented throughout the	HS Credit(s): 1
course. Through data analysis, students will identify task requirements, plan search strategies, and use software	
development concepts to access, analyze, and evaluate information needed to program mobile devices. By using	
software design knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate	
the results. Students will learn digital citizenship by researching current laws and regulations and by practicing	
ntegrity and respect. Students will gain an understanding of the principles of mobile application development	
through the study of development platforms, programming languages, and software design standards.	
nstructional Material: Contact Career and Technical Education Department for related materials.	College Hour(s): NA
Prerequisite(s): Entrepreneurship	Tier III
HONORS MOBILE APPLICATION DEVELOPMENT (TAMBAD AB/H)	TAH80390AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	03580390 Grade level: 11 - 12
activities related to the program of study.	HS Credit(s): 1
nstructional Material: Contact Career and Technical Education Department for related materials.	College Hour(s): NA
Prerequisite(s): Entrepreneurship	Tier II
UNPAID PRACTICUM IN ENTREPRENEURSHIP AB (PRACENTRE AB)	MK34801AB
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of	N1303425
career and technical education courses within the designated program of study. In addition to developing	Grade level: 12
advanced technical knowledge and skills needed for success in the career fields of interest, students will be	HS Credit(s): 2
expected to develop an increasing understanding of the industry with a focus on applying management,	
finances, product development, and other entrepreneurship concepts in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Practicum	
capstone experiences can occur in a variety of locations appropriate to the nature and level of experiences such	
as independent study, assistantships, mentorships, or laboratories. The various in-class capstone experiences	
nclude students working in a simulated environment, running an enterprise, or be involved in program-specific	
ocal projects the school has approved for this class. Additional capstone experiences also include students	
peing selected to be a part of a work-based experience or industry training off-site, outside of school. Students	
will build a professional portfolio demonstrating skills in Entrepreneurship.	
	College Hour(s): NA
nstructional Material: Contact Career and Technical Education Department for related materials.	Tier III
Prerequisite(s): (Dependent upon program) Fashion Design II, Entrepreneurship II, Business Management, or	MKH34801AB
Prerequisite(s): (Dependent upon program) Fashion Design II, Entrepreneurship II, Business Management, or Mobile Application Development	
Prerequisite(s): (Dependent upon program) Fashion Design II, Entrepreneurship II, Business Management, or	WIKI154001AB
Prerequisite(s): (Dependent upon program) Fashion Design II, Entrepreneurship II, Business Management, or Mobile Application Development HONORS UNPAID PRACTICUM IN ENTREPRENEURSHIP AB/H (PRACENTRE AB/H) n addition to the regular course curriculum, students in the honors course will complete additional projects and	N1303425
Prerequisite(s): (Dependent upon program) Fashion Design II, Entrepreneurship II, Business Management, or Mobile Application Development HONORS UNPAID PRACTICUM IN ENTREPRENEURSHIP AB/H (PRACENTRE AB/H)	N1303425 Grade level: 12
Prerequisite(s): (Dependent upon program) Fashion Design II, Entrepreneurship II, Business Management, or Mobile Application Development HONORS UNPAID PRACTICUM IN ENTREPRENEURSHIP AB/H (PRACENTRE AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	N1303425 Grade level: 12 HS Credit(s): 2
Prerequisite(s): (Dependent upon program) Fashion Design II, Entrepreneurship II, Business Management, or Mobile Application Development HONORS UNPAID PRACTICUM IN ENTREPRENEURSHIP AB/H (PRACENTRE AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials.	N1303425 Grade level: 12 HS Credit(s): 2 College Hour(s): NA
Prerequisite(s): (Dependent upon program) Fashion Design II, Entrepreneurship II, Business Management, or Mobile Application Development HONORS UNPAID PRACTICUM IN ENTREPRENEURSHIP AB/H (PRACENTRE AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials. Prerequisite(s): Entrepreneurship II, Business Management, or Mobile Application Development	N1303425 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II
Prerequisite(s): (Dependent upon program) Fashion Design II, Entrepreneurship II, Business Management, or Mobile Application Development HONORS UNPAID PRACTICUM IN ENTREPRENEURSHIP AB/H (PRACENTRE AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials. Prerequisite(s): Entrepreneurship II, Business Management, or Mobile Application Development ADVERTISING T (ADV T)	N1303425 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II MK34201T
Prerequisite(s): (Dependent upon program) Fashion Design II, Entrepreneurship II, Business Management, or Mobile Application Development HONORS UNPAID PRACTICUM IN ENTREPRENEURSHIP AB/H (PRACENTRE AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials. Prerequisite(s): Entrepreneurship II, Business Management, or Mobile Application Development ADVERTISING T (ADV T) Advertising focuses on the concepts and skills associated with the dynamic advertising industry. The course	N1303425 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II MK34201T 13034200
Prerequisite(s): (Dependent upon program) Fashion Design II, Entrepreneurship II, Business Management, or Mobile Application Development HONORS UNPAID PRACTICUM IN ENTREPRENEURSHIP AB/H (PRACENTRE AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials. Prerequisite(s): Entrepreneurship II, Business Management, or Mobile Application Development ADVERTISING T (ADV T) Advertising focuses on the concepts and skills associated with the dynamic advertising industry. The course ntroduces the principles and practices of advertising. Students will gain knowledge of techniques used in	N1303425 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II MK34201T
Prerequisite(s): (Dependent upon program) Fashion Design II, Entrepreneurship II, Business Management, or Mobile Application Development HONORS UNPAID PRACTICUM IN ENTREPRENEURSHIP AB/H (PRACENTRE AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials. Prerequisite(s): Entrepreneurship II, Business Management, or Mobile Application Development ADVERTISING T (ADV T) Advertising focuses on the concepts and skills associated with the dynamic advertising industry. The course	N1303425 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II MK34201T 13034200 Grade level: 10 - 12
Prerequisite(s): (Dependent upon program) Fashion Design II, Entrepreneurship II, Business Management, or Mobile Application Development HONORS UNPAID PRACTICUM IN ENTREPRENEURSHIP AB/H (PRACENTRE AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials. Prerequisite(s): Entrepreneurship II, Business Management, or Mobile Application Development ADVERTISING T (ADV T) Advertising focuses on the concepts and skills associated with the dynamic advertising industry. The course introduces the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, ethical, and egal issues of advertising, historical influences, strategies, and media decision processes as well as integrated marketing communications. The course provides an overview of how communication tools can be used to reach	N1303425 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II MK34201T 13034200 Grade level: 10 - 12
Prerequisite(s): (Dependent upon program) Fashion Design II, Entrepreneurship II, Business Management, or Mobile Application Development HONORS UNPAID PRACTICUM IN ENTREPRENEURSHIP AB/H (PRACENTRE AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials. Prerequisite(s): Entrepreneurship II, Business Management, or Mobile Application Development ADVERTISING T (ADV T) Advertising focuses on the concepts and skills associated with the dynamic advertising industry. The course introduces the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, ethical, and egal issues of advertising, historical influences, strategies, and media decision processes as well as integrated marketing communications. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge. Students will learn the goals and objectives of advertising,	N1303425 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II MK34201T 13034200 Grade level: 10 - 12
Prerequisite(s): (Dependent upon program) Fashion Design II, Entrepreneurship II, Business Management, or Mobile Application Development HONORS UNPAID PRACTICUM IN ENTREPRENEURSHIP AB/H (PRACENTRE AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials. Prerequisite(s): Entrepreneurship II, Business Management, or Mobile Application Development ADVERTISING T (ADV T) Advertising focuses on the concepts and skills associated with the dynamic advertising industry. The course introduces the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, ethical, and degal issues of advertising, historical influences, strategies, and media decision processes as well as integrated marketing communications. The course provides an overview of how communication tools can be used to reach	N1303425 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II MK34201T 13034200 Grade level: 10 - 12

Instructional Metavial (CEV Business Maulatia - Figures IT 0: Madia Cita - CEV Multimedia I tal	C-11 11(-): NIA
Instructional Material: ICEV Business, Marketing, Finance, IT & Media Site, CEV Multimedia Ltd.,	College Hour(s): NA
<u>Prerequisite(s)</u> : Principles of Business, Marketing, and Finance This course is to be taught by a marketing certified teacher.	Tier III
Offered only at: Benbrook, Paschal and Trimble Tech	
HONORS ADVERTISING T (ADV T/H)	MKH34201T
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13034200
activities related to the program of study.	Grade level: 10 – 12
Instructional Material: ICEV Business, Marketing, Finance, IT & Media Site, CEV Multimedia Ltd.	HS Credit(s): 0.5
Prerequisite(s): Principles of Business, Marketing, and Finance	College Hour(s): NA
Course taught by locally certified gifted CTE and marketing teacher	Tier II
Offered only at: Benbrook, Paschal and Trimble Tech	
FASHION MARKETING T (FASHMKTG T)	MK34301T
This specialized course is for students who have a career interest in apparel, fashion, and/or accessory	13034300
marketing. Instruction will cover all aspects of the industry. Students in this course will focus on each of the	Grade level: 10 - 12
functions of marketing and how they relate to the fashion industry. Students will be able to apply these	HS Credit(s): 0.5
principles and concepts in marketing in their careers and in everyday life. Students in Fashion Marketing will	
gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising,	
and career opportunities in this field.	
Instructional Material: ICEV Business, Marketing, Finance, IT & Media Site, CEV Multimedia Ltd.	College Hour(s): NA
Prerequisite(s): Principles of Business, Marketing, and Finance or Fashion Design	Tier III
Course taught by either a marketing or family consumer sciences certified teacher	
Offered only at: Benbrook and Paschal	
HONORS FASHION MARKETING T (FASHMKTG T/H)	MKH34301T
In addition to the regular course curriculum, students in the honors course will complete additional projects	13034300
and activities related to the program of study.	Grade level: 10 – 12
Instructional Material: ICEV Business, Marketing, Finance, IT & Media Site, CEV Multimedia Ltd.	HS Credit(s): 0.5
<u>Prerequisite(s)</u> : Principles of Business, Marketing, and Finance or Fashion Design Course taught by locally certified gifted marketing or family consumer sciences certified teacher	College Hour(s): NA Tier II
Offered only at: Benbrook and Paschal	Her II
SPORTS AND ENTERTAINMENT MARKETING T (SPORTSEM T)	MK34601T
Sports and Entertainment Marketing provides students information about careers in the sports and	13034600
entertainment industry. They will learn the basic principles of marketing and how they apply to the	Grade level: 10 - 12
sponsorships, promotion, advertising, sales, event marketing, and communications necessary for a successful	HS Credit(s): 0.5
sports or entertainment event. Students will acquire the knowledge required to produce a sports and	. 15 C. Cart(5). C.5
entertainment event and explore the education requirements to become a professional in this growing	
industry. The areas this course will cover include basic marketing, target marketing and segmentation,	
sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports and	
entertainment marketing plans. This course will also provide students an opportunity to develop promotional	
plans, sponsorship proposals, endorsement contracts, sports and entertainment marketing plans, and	
evaluation and management techniques.	
Instructional Material: ICEV Business, Marketing, Finance, IT & Media Site, CEV Multimedia Ltd.,	College Hour(s): NA
<u>Prerequisite(s)</u> : Principles of Business, Marketing, and Finance	Tier III
Offered only at: Benbrook, and Paschal	
Offered only at: Benbrook, and Paschal HONORS SPORTS AND ENTERTAINMENT MARKETING T (SPORTSEM T/H)	MKH34601T
Offered only at: Benbrook, and Paschal HONORS SPORTS AND ENTERTAINMENT MARKETING T (SPORTSEM T/H) In addition to the regular course curriculum, students in the honors course will complete additional projects	13034600
Offered only at: Benbrook, and Paschal HONORS SPORTS AND ENTERTAINMENT MARKETING T (SPORTSEM T/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13034600 Grade level: 10 - 12
Offered only at: Benbrook, and Paschal HONORS SPORTS AND ENTERTAINMENT MARKETING T (SPORTSEM T/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: ICEV Business, Marketing, Finance, IT & Media Site, CEV Multimedia Ltd.	13034600 Grade level: 10 - 12 HS Credit(s): 0.5
Offered only at: Benbrook, and Paschal HONORS SPORTS AND ENTERTAINMENT MARKETING T (SPORTSEM T/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: ICEV Business, Marketing, Finance, IT & Media Site, CEV Multimedia Ltd. Prerequisite(s): Principles of Business, Marketing, and Finance	13034600 Grade level: 10 - 12 HS Credit(s): 0.5 College Hour(s): NA
Offered only at: Benbrook, and Paschal HONORS SPORTS AND ENTERTAINMENT MARKETING T (SPORTSEM T/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: ICEV Business, Marketing, Finance, IT & Media Site, CEV Multimedia Ltd. Prerequisite(s): Principles of Business, Marketing, and Finance Offered only at: Benbrook, and Paschal	13034600 Grade level: 10 - 12 HS Credit(s): 0.5 College Hour(s): NA Tier II
Offered only at: Benbrook, and Paschal HONORS SPORTS AND ENTERTAINMENT MARKETING T (SPORTSEM T/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: ICEV Business, Marketing, Finance, IT & Media Site, CEV Multimedia Ltd. Pererequisite(s): Principles of Business, Marketing, and Finance Offered only at: Benbrook, and Paschal SOCIAL MEDIA MARKETING (SOCMEDMK T)	13034600 Grade level: 10 - 12 HS Credit(s): 0.5 College Hour(s): NA Tier II MK34901T
Offered only at: Benbrook, and Paschal HONORS SPORTS AND ENTERTAINMENT MARKETING T (SPORTSEM T/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: ICEV Business, Marketing, Finance, IT & Media Site, CEV Multimedia Ltd. Prerequisite(s): Principles of Business, Marketing, and Finance Offered only at: Benbrook, and Paschal SOCIAL MEDIA MARKETING (SOCMEDMK T) The course is designed to look at the rise of social media and how it has transformed the business as we once	13034600 Grade level: 10 - 12 HS Credit(s): 0.5 College Hour(s): NA Tier II MK34901T 13034650
Offered only at: Benbrook, and Paschal HONORS SPORTS AND ENTERTAINMENT MARKETING T (SPORTSEM T/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: ICEV Business, Marketing, Finance, IT & Media Site, CEV Multimedia Ltd. Prerequisite(s): Principles of Business, Marketing, and Finance Offered only at: Benbrook, and Paschal SOCIAL MEDIA MARKETING (SOCMEDMK T) The course is designed to look at the rise of social media and how it has transformed the business as we once knew it. It will look at how marketers are integrating social media tools in their overall marketing strategy and	13034600 Grade level: 10 - 12 HS Credit(s): 0.5 College Hour(s): NA Tier II MK34901T 13034650 Grade level: 11 - 12
PHONORS SPORTS AND ENTERTAINMENT MARKETING T (SPORTSEM T/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: ICEV Business, Marketing, Finance, IT & Media Site, CEV Multimedia Ltd. Pererequisite(s): Principles of Business, Marketing, and Finance Offered only at: Benbrook, and Paschal SOCIAL MEDIA MARKETING (SOCMEDMK T) The course is designed to look at the rise of social media and how it has transformed the business as we once knew it. It will look at how marketers are integrating social media tools in their overall marketing strategy and now they are measuring success in this brave new world. The students will learn about the multi-disciplinary	13034600 Grade level: 10 - 12 HS Credit(s): 0.5 College Hour(s): NA Tier II MK34901T 13034650
HONORS SPORTS AND ENTERTAINMENT MARKETING T (SPORTSEM T/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: ICEV Business, Marketing, Finance, IT & Media Site, CEV Multimedia Ltd. Prerequisite(s): Principles of Business, Marketing, and Finance Offered only at: Benbrook, and Paschal SOCIAL MEDIA MARKETING (SOCMEDMK T) The course is designed to look at the rise of social media and how it has transformed the business as we once knew it. It will look at how marketers are integrating social media tools in their overall marketing strategy and how they are measuring success in this brave new world. The students will learn about the multi-disciplinary implications and how to manage a successful social media presence for an organization, as well as techniques	13034600 Grade level: 10 - 12 HS Credit(s): 0.5 College Hour(s): NA Tier II MK34901T 13034650 Grade level: 11 - 12
HONORS SPORTS AND ENTERTAINMENT MARKETING T (SPORTSEM T/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: ICEV Business, Marketing, Finance, IT & Media Site, CEV Multimedia Ltd. Prerequisite(s): Principles of Business, Marketing, and Finance Offered only at: Benbrook, and Paschal SOCIAL MEDIA MARKETING (SOCMEDMK T) The course is designed to look at the rise of social media and how it has transformed the business as we once knew it. It will look at how marketers are integrating social media tools in their overall marketing strategy and now they are measuring success in this brave new world. The students will learn about the multi-disciplinary mplications and how to manage a successful social media presence for an organization, as well as techniques for gaining customer and consumer buy-in to achieve their marketing goals.	13034600 Grade level: 10 - 12 HS Credit(s): 0.5 College Hour(s): NA Tier II MK34901T 13034650 Grade level: 11 - 12 HS Credit(s): 0.5
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ADVANCED MARKETING AB/D (ADVMKT AB)	MK34700AB
In Advanced Marketing, students will gain knowledge and skills that help them become proficient in one or more	13034700
of the marketing functional areas. In this double period course, students will illustrate appropriate management	Grade level: 11 - 12
and research skills to solve problems related to marketing. This course covers technology, communication, and	HS Credit(s): 2
customer-service skills.	
Instructional Material: Contact Career and Technical Education for related materials	College Hour(s): NA
Prerequisite(s): Two Marketing courses within the Marketing strand	Tier III
Offered only at: Arlington Heights, Benbrook, Paschal and Trimble Tech	
HONORS ADVANCED MARKETING/D AB (ADVMKT AB/H)	MKH34700AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13034700
activities related to the program of study.	Grade level: 11 – 12
Instructional Material: Contact Career and Technical Education for related materials	HS Credit(s): 2
Prerequisite(s): Two Marketing courses	College Hour(s): NA
Offered only at: Arlington Heights, Benbrook, Paschal and Trimble Tech	Tier II
PAID PRACTICUM IN MARKETING/EXTENDED AB (EXPRMKT1 AB)	MK34812AB
This practicum course is a paid capstone experience for students participating in a coherent sequence of career	13034805
and technical education courses within their designated program of study. Classroom instruction focuses on	Grade level: 12
advanced concepts and skills for marketing occupations with an emphasis on the total marketing process, sales	HS Credit(s): 3
promotion, buying, management, entrepreneurship, and careers in the field of marketing. Through course	
required employment, students gain knowledge and skills that help them become proficient in one or more of	
the marketing functional areas. Students will illustrate appropriate management and research skills to create the	
marketing mix. A student must be a minimum age of 16 and hold valid work documentation, such as a Social	
Security card, to enroll in any of the paid practicum learning experiences. The co-requisite extension is included	
in the Practicum and is designed to give students supervised practical application of previously studied	
knowledge and skills. In order to receive course credit, this course requires that students make a full year	
commitment to this course and their employment, must have related classroom instruction that averages one	
class period per week during the school year, are employed for <u>fifteen (15) hours per week</u> (or an average of 30	
hours across two weeks) at an approved site within ten days of the beginning of the course. Work hours can be	
included during the school day or outside of school hours. If work hours are during the school day, students can	
be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students'	
projected graduation plan.	6 "
Instructional Material: Goodheart - Willcox Marketing Dynamics, 3rd Edition 2014, Goodheart-Willcox Co.	College Hour(s): NA
Prerequisite(s): Two Marketing courses within the Marketing strand	Tier III
Offered only at: Benbrook and Paschal	
HONORS PAID PRACTICUM IN MARKETING AB/EXTENDED (EXPRMKT1 AB/H)	MKH34812AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13034805
activities related to the program of study.	Grade level: 12
Instructional Material: Goodheart - Willcox Marketing Dynamics, 3rd Edition 2014, Goodheart-Willcox Co.	HS Credit(s): 3
Prerequisite(s): Two Marketing courses within the Marketing strand	College Hour(s): NA
Offered only at: Benbrook and Paschal	Tier II
HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H)	CPH01500AB
Students will research a real-world problem and possible solutions throughout this course. Students develop a	12701500
project on a topic related to career interests, use scientific methods of investigation to conduct in-depth	Grade level: 11-12
research, are matched with a mentor from the business or professional community, compile findings, and	HS Credit(s): 1
planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or	
present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course.	
planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course. Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course.	College Hour(s): NA Tier II

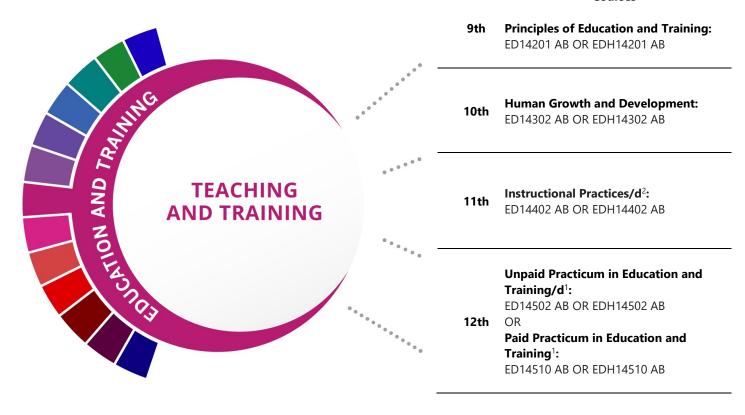


Education and Training

Teaching and Training

To reach CTE Completer status, students complete and pass three or more 19 TAC Chapter 126 (C), 127 (B), or 130 CTE courses for four or more credits within a program of study, including at least one level three or level four course from the same program of study.

Courses



Enrichment Courses:

N/A

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Educational Aide I¹
- Not Counted towards Performance Acknowledgment: SafeSchools²

Available at:

- Arlington Heights HS
- Benbrook HS
- Carter-Riverside HS
- Diamond Hill Jarvis HS
- Dunbar HS

- Eastern Hills HS
- North Side HS
- OD Wyatt HS
- Paschal HS
- Polytechnic HS
- South Hills HS
- Southwest HS
- Western Hills HS

The Teaching and Training program of study prepares students for careers related to teaching, instruction, and creation of instructional and enrichment materials. The program of study introduces CTE concentrators to a wide variety of student groups and their corresponding needs. It familiarizes them with the processes for developing curriculum, coordinating educational content, and coaching groups and individuals.



The Education and Training Career Cluster® focuses on planning, managing, and providing education and training services and related learning support services. All parts of courses are designed to introduce learners to the various careers available within the Education and Training careercluster.

Successful completion of the Teaching and Training program of study will fulfill requirements of the Public Service Endorsement. Revised - July 2020

COURSE DESCRIPTIONS FOR ALL EDUCATION AND TRAINING CLASSES

PRINCIPLES OF EDUCATION AND TRAINING AB (PRINEDTR AB)	ED14201AB
he course, Principles of Education and Training, is designed to introduce students to the various careers	13014200
vailable within the education and training career cluster. Students use self-knowledge and educational and	Grade level: 9 - 10
areer information to analyze various careers within the education and training career cluster. They will also gain	HS Credit(s): 1
n understanding of the basic knowledge and skills essential to careers within the education and training career	
cluster.	C () NA
Instructional Material: ICEV Family and Consumer Sciences Site, CEV Multimedia Ltd., ISBN#: 9781614594963	College Hour(s): NA
<u>Prerequisite(s)</u> : None Offered at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side,	Tier III
Offered at. Arangton Heights, behildook, Carter-kiverside, Didmond Hitt-Jarvis, Danbar, Eastern Hitts, North Side, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and OD Wyatt	
HONORS PRINCIPLES OF EDUCATION AND TRAINING AB (PRINEDTR AB/H)	EDH14201AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13014200
activities related to the program of study.	Grade level: 9 – 10
Instructional Material: ICEV Family and consumer Sciences Site, CEV Multimedia Ltd.	HS Credit(s): 1
Prerequisite(s): None	College Hour(s): NA
Offered at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side,	Tier II
Paschal, Polytechnic, South Hills, Southwest, Western Hills, and OD Wyatt	
HUMAN GROWTH AND DEVELOPMENT AB (HUGRDEV AB)	ED14302AB
Human Growth and Development is an examination of human development across the lifespan with emphasis	13014300
upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental	Grade level: 10 - 12
nilestones. The course covers material that is generally taught in a postsecondary, one-semester introductory	HS Credit(s): 1
course in developmental psychology or human development.	
nstructional Material: Lifespan Development Goodheart-Willcox Co.	College Hour(s): NA
Prerequisite(s): Principles of Education and Training	Tier III
Offered at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side,	
Paschal, Polytechnic, South Hills, Southwest, Western Hills, and OD Wyatt	
HONORS HUMAN GROWTH AND DEVELOPMENT AB (HUGRDEV AB/H)	EDH14302AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13014300
activities related to the program of study.	Grade level: 10 – 12
Instructional Material: <i>Lifespan Development,</i> Goodheart-Willcox Co. <u>Prerequisite(s)</u> : Principles of Education and Training	HS Credit(s): 1 College Hour(s): NA
Offered at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side,	Tier II
Paschal, Polytechnic, South Hills, Southwest, Western Hills, and OD Wyatt	ilei ii
INSTRUCTIONAL PRACTICES IN EDUCATION AND TRAINING/D AB (INPREDTR AB)	ED14402AB
Instructional Practices in Education and Training is a field-based internship that provides students with	13014400
background knowledge of child and adolescent development as well as principles of effective teaching and	Grade level: 11 - 12
training practices. In this double-period course, students work under the joint direction and supervision of both a	HS Credit(s): 2
teacher with knowledge of early childhood education and exemplary educators or trainers in direct instructional	
roles with elementary and middle school students. Students learn to plan and direct individualized instruction and	
group activities, prepare instructional materials, develop materials for educational environments, assist with record	
keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational	
personnel.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Human Growth and Development	Tier III
Offered at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side,	
Paschal, Polytechnic, South Hills, Southwest, Western Hills, and OD Wyatt	ED114.4400.4.D
HONORS INSTRUCTIONAL PRACTICES IN EDUCATION AND TRAINING/D AB	EDH14402AB
(INPREDTR AB/H)	12011100
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13014400
activities related to the program of study.	Grade level: 11 - 12
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 2
<u>Prerequisite(s)</u> : Human Growth and Development Offered at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side,	College Hour(s): NA Tier II
Offered at. Artington Heights, behildook, Carter-kiverside, Didmond Hitt-Jarvis, Danbar, Eastern Hitts, North Side, Paschal, Polytechnic, South Hills, Southwest, Western Hills, and OD Wyatt	1101 11
UNPAID PRACTICUM IN EDUCATION AND TRAINING/D AB (PRACEDTR AB)	ED14502AB
SINFAID FRACTICUM IN LUCCATION AND TRAINING/D AD (FRACEDTR AD)	13014500
This practicum course is an uppaid capstone experience for students participating in a scherent coguess of	
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of	(arade level 1)
career and technical education courses within their designated program of study. Unpaid Practicum in Education	Grade level: 12 HS Credit(s): 2
career and technical education courses within their designated program of study. Unpaid Practicum in Education and Training is an unpaid field-based internship that provides students with background knowledge of child and	Grade level: 12 HS Credit(s): 2
career and technical education courses within their designated program of study. Unpaid Practicum in Education and Training is an unpaid field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. In this double-period	
areer and technical education courses within their designated program of study. Unpaid Practicum in Education and Training is an unpaid field-based internship that provides students with background knowledge of child and	

instructional materials, develop materials for educational environments, assist with record keeping, and complete	
other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel. Practicum capstone	
experiences can occur in a variety of locations appropriate to the nature and level of experiences such as	
independent study, assistantships, mentorships, or laboratories. The various in-class capstone experiences include	
students working in a simulated environment, running an enterprise, or be involved in program-specific local	
projects the school has approved for this class. Additional capstone experiences also include students being	
selected to be a part of a work-based experience or industry training off-site, outside of school.	
nstructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Instructional Practices in Education and Training	Tier III
Offered at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side,	
Paschal, Polytechnic, South Hills, Southwest, Western Hills, and OD Wyatt	
HONORS UNPAID PRACTICUM IN EDUCATION AND TRAINING/D AB (PRACEDTR AB/H)	EDH14502AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13014500
activities related to the program of study.	Grade level: 12
nstructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 2
Prerequisite(s): Instructional Practices in Education and Training	College Hour(s): NA
Offered at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side,	Tier II
Paschal, Polytechnic, South Hills, Southwest, Western Hills, and OD Wyatt	
PAID PRACTICUM IN EDUCATION AND TRAINING/EXTENDED AB (EXPREDT1 AB)	ED14510AB
This practicum course is a paid capstone experience for students participating in a coherent sequence of career	13014505
and technical education courses within their designated program of study. This course is a field-based paid	Grade level: 12
nternship that provides students with background knowledge of child and adolescent development as well as	HS Credit(s): 3
principles of effective teaching and training practices. A student must be a minimum age of 16 and hold valid	
work documentation, such as a Social Security card, to enroll in any of the paid practicum learning experiences. In	
order to receive course credit, this course requires that students make a full year commitment to this course and	
their employment, must have related classroom instruction that averages one class period per week during the	
school year, are employed for <u>fifteen (15) hours per week</u> (or average of 30 hours across two weeks) at an	
approved site within ten days of the beginning of the course. Work hours can be included during the school day	
or outside of school hours. If work hours are during the school day, students can be scheduled for work release	
(noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan.	
nstructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Instructional Practices in Education and Training	Tier III
Offered at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side,	
Paschal, Polytechnic, South Hills, Southwest, Western Hills, and OD Wyatt	
HONORS PAID PRACTICUM IN EDUCATION AND TRAINING/EXTENDED AB (EXPREDT1 AB/H)	EDH14510AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13014505
activities related to the program of study.	Grade level: 12
nstructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 3
Prerequisite(s): Instructional Practices in Education and Training	College Hour(s): NA
Offered at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side,	Tier II
Paschal, Polytechnic, South Hills, Southwest, Western Hills, and OD Wyatt	



Health Science

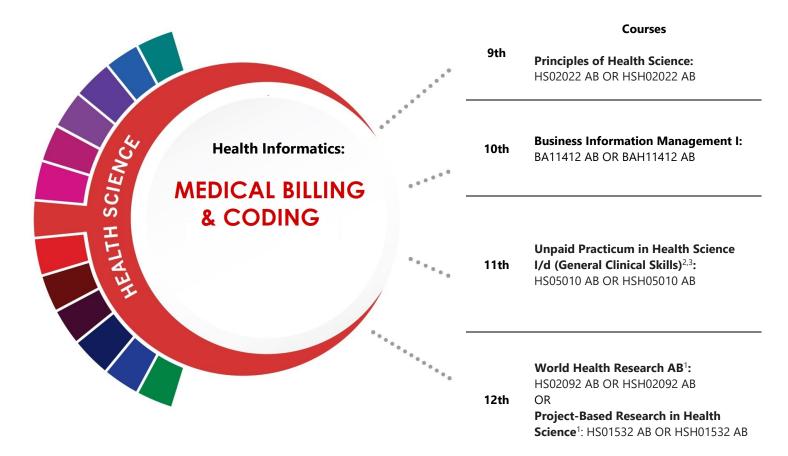
Exercise Science, Wellness, and Restoration

Health Informatics

Diagnostic & Therapeutic Services

Biomedical Science

To reach CTE Completer status, students complete and pass three or more 19 TAC Chapter 126 (C), 127 (B), or 130 CTE courses for four or more credits within a program of study, including at least one level three or level four course from the same program of study.



Enrichment Courses:

N/A

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Certified-Coding and Billing Specialist Certification¹
- Not Counted towards Performance Acknowledgment: OSHA 10-Hour Healthcare Industry Certification²; BLS/CPR Certification³

Available at:

- North Side HS
- OD Wyatt HS
- Trimble Technical HS

The Medical Billing and Coding program of study focuses on exposing students to the management and use of patient information in the healthcare field. Students may learn about and research recent modifications of computerized healthcare and the process of creating and maintaining hospital and patient records and billing in accordance with regulatory requirements of the healthcare system. Students may also practice writing and interpreting medical reports.



The Health Science Health Science Career Cluster® focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

Successful completion of the Healthcare Diagnostics program of study will fulfill requirements of the Public Service or STEM endorsement if the math and science requirements are met. Locally approved Program of Study. Revised – July 2020



9th Principles of Exercise Science and Wellness: TBD HS***** AB OR HSH***** AB

10th Kinesiology I:
TBD HS***** AB OR HSH***** AB

11th Kinesiology II:
TBD HS***** AB OR HSH***** AB

Unpaid Practicum in Entrepreneurship/d:

MK34801 AB OR MKH34801AB

12th OR

Project-Based Research in Health Science: HS01532 AB OR HSH01532 AB

Enrichment Courses:

Anatomy and Physiology: HS02062 AB OR HSH02062 AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: TBA
- Not Counted towards Performance Acknowledgment: BLS/CPR Certification

Available at:

South Hills HS

The Exercise Science and Wellness program of study introduces CTE learners to the fields that assist patients with maintaining physical, mental, and emotional health. Students will research diet and exercise needed to maintain a healthy, balanced lifestyle and learn about and practice techniques to help patients recover from injury, illness, or disease.



The Health Science Career Cluster® focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

Successful completion of the Exercise Science program of study will fulfill requirements of the Public Service or STEM endorsement if the math and science requirements are met. Locally approved Program of Study. Revised – October 2022

Courses

Principles of Health Science:

HS02022 AB OR HSH02022 AB

9th

AND/OR

Honors Principles of Biomedical

Science (PLTW):

HSH2092 AB

CENTRAL STERILE PROCESSING

10th Honors Human Body Systems (PLTW):

HSH2093 AB

Unpaid Practicum in Health Science I/d

11th (General Clinical Skills)^{2,3}:

HS05010 AB OR HSH05010 AB

Dual Credit Unpaid Practicum in Health Science II/d (Central Sterile

Processing)¹:

12th HSD02052 AB

OR

Project-Based Research in Health

Science: HS01532 AB OR HSH01532 AB

Enrichment Courses:

- Anatomy and Physiology: HS02062 AB OR HSH02062 AB
- Medical Microbiology: HS02071 AB OR HSH02071 AB
- Pathophysiology: HS20801 AB OR HSH20801 AB
- Pharmacology: HS02044 AB OR HSH2044 AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: N/A
- Not Counted towards Performance Acknowledgment: Sterile Processing and Distribution Technician Certification^{1*};
 OSHA 10-Hour Healthcare Industry Certification²; BLS/CPR Certification³

Available at:

• Texas Academy of Biomedical Sciences (TABS) HS

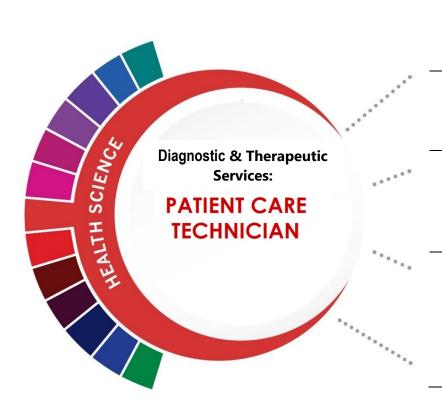
Healthcare Therapeutic's Certified Sterile Processing program of study under the Healthcare Therapeutics focuses on the practice of the cleaning and sterilization of used surgical instruments and other medical supplies to ensure the safety, redistribution, and reuse of instruments for future patients.



The Health Science Career Cluster® focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

*Although this is not a state-recognized Industry-Based Certification, it is a recognized component of meeting CCMR Performance Status

Successful completion of the Healthcare Therapeutic: Central Sterile Processing program of study will fulfill requirements of the Public Service Endorsement. Locally approved Program of Study. Revised – July 2020



9th Principles of Health Science: HS02022 AB OR HSH02022 AB

10th Health Science Theory:

HS02042 AB OR HSH02042 AB

Unpaid Practicum in Health Science I/d 11th (General Clinical Skills)^{4, 5,6}:

HS05010 AB OR HSH05010 AB

Unpaid Practicum in Health Science II/d (Patient Care Technician)^{1,2,3,4}:

HS30204 AB OR HSH30204 AB

12th OR

Project-Based Research in Health

Science:

HS01532 AB OR HSH01532 AB

Enrichment Courses:

Anatomy and Physiology: HS02062 AB OR HSH02062 AB

Medical Microbiology: HS02071 AB OR HSH02071 AB

Pathophysiology: HS20801 AB OR HSH20801 AB

Pharmacology: HS02044 AB OR HSH2044 AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Patient Care Technician Certification¹; Optional certifications: Phlebotomy Certification (CPT)²; Certified EKG Technician (CET)³; Certified Nurse Aide (CNA)⁶
- Not Counted towards Performance Acknowledgment: OSHA 10-Hour Healthcare Industry Certification ⁴; BLS/CPR Certification ⁵

Available at:

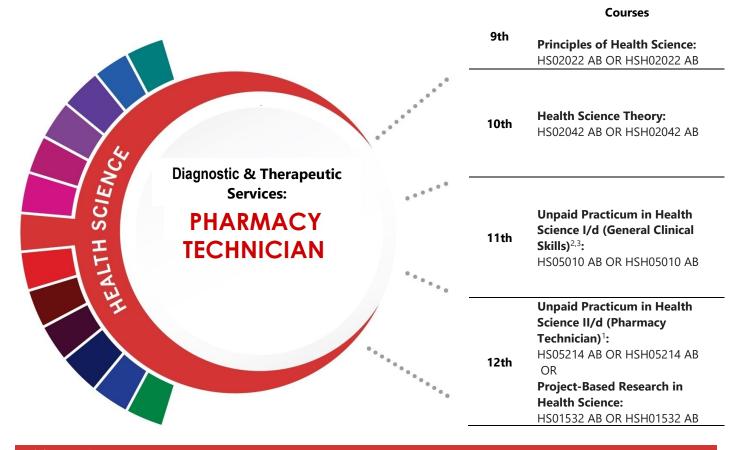
- North Side HS
- OD Wyatt HS
- Texas Academy of Biomedical Sciences (TABS) HS
- Trimble Technical HS

The Diagnostic and Therapeutic Services program of study introduces students to occupations and educational opportunities related to diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study also includes an introduction to the opportunities associated with providing treatment and counsel to patients as well as rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.



The Health Science Career Cluster® focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

Successful completion of the Healthcare Therapeutics program of study will fulfill requirements of the Public Service or STEM endorsement if the math and science requirements are met. Revised – July 2020



Enrichment Courses:

- Pharmacology: HS02044 AB OR HSH2044 AB
- Anatomy and Physiology: HS02062 AB OR HSH02062 AB
- Medical Microbiology: HS02071 AB OR HSH02071 AB
- Pathophysiology: HS20801 AB OR HSH20801 AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Certified Pharmacy Technician (CPhT)¹
- Not Counted towards Performance Acknowledgment: OSHA 10-Hour Healthcare Industry Certification²; BLS/CPR Certification³

Available at:

- North Side HS
- OD Wyatt HS
- Texas Academy of Biomedical Sciences (TABS) HS
- Trimble Technical HS

The Diagnostic and Therapeutic Services program of study introduces students to occupations and educational opportunities related to diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study also includes an introduction to the opportunities associated with providing treatment and counsel to patients as well as rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.



The Health Science Career Cluster® focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

Successful completion of the Healthcare Therapeutics program of study will fulfill requirements of the Public Service or STEM endorsement if the math and science requirements are met. Revised – July 2020

Courses

Diagnostic & Therapeutic Services:

EMERGENCY
MEDICAL CARE

9th Principles of Health Science: HS02022 AB OR HSH02022 AB

10th Health Science Theory:

HS02042 AB OR HSH02042 AB

Unpaid Practicum in Health Science
11th I/d (General Clinical Skills)^{2,3}:

HS05010 AB OR HSH05010 AB

Unpaid Practicum in Health Science II/d (Emergency Medical Care) 1, 4,5,6: HS05033 AB OR HSHS05033 AB

12th OR

Project-Based Research in Health Science:

HS01532 AB OR HSH01532 AB

Enrichment Courses:

- Anatomy and Physiology: HS02062 AB OR HSH02062 AB
- Medical Microbiology: HS02071 AB OR HSH02071 AB
- Pathophysiology: HS20801 AB OR HSH20801 AB
- Pharmacology: HS02044 AB OR HSH2044 AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Emergency Medical Technician (EMT) ^{1,4}
- Not Counted towards Performance Acknowledgment: OSHA 10-Hour Healthcare Industry Certification²; BLS/CPR Certification³; and Emergency Medical Responder (EMR) Certifications⁴
- Optional certifications: Phlebotomy Certification (CPT)⁵; Certified EKG Technician (CET)⁶

Available at:

- North Side HS
- OD Wyatt HS
- Trimble Technical HS

The Diagnostic and Therapeutic Services program of study introduces students to occupations and educational opportunities related to diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study also includes an introduction to the opportunities associated with providing treatment and counsel to patients as well as rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.



The Health Science Career Cluster® focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

Successful completion of the Healthcare Therapeutics program of study will fulfill requirements of the Public Service or STEM endorsement if the math and science requirements are met. Revised – July 2020

Courses Principles of Biomedical Science (PLTW): 9th HSH2092AB **Human Body Systems (PLTW):** 10th HSH2093AB **BIOMEDICAL-SCIENCE** Medical Interventions (PLTW): 11th HSH30209AB Pathophysiology: HS20801AB OR SH20801AB Unpaid Practicum in STEM/d: 12th STH37402AB OR Scientific Research and Design¹: ST37202AB OR STH37202AB

Enrichment Courses:

Anatomy and Physiology: HS02062AB OR HSH02062AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Biotechnician Assistant Credentialing Exam (BACE)¹
- Not Counted Towards Performance Acknowledgment: N/A

Available At:

• Texas Academy of Biomedical Sciences (TABS) HS

The Biomedical Science program of study focuses on the study of biology and medicine in order to introduce students to the knowledge and skills necessary to be successful in the healthcare field, such as researching and diagnosing diseases, pre-existing conditions, or other determinants of health. Students may also practice patient care and communication.



The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

Successful completion of the Biomedical Science program of study will fulfill requirements of the Public Service Endorsement or STEM endorsement if the math and science requirements are met. Revised - July 2020

COURSE DESCRIPTIONS FOR HEALTH SCIENCE TECHNOLOGY CLASSES

HONORS PRINCIPLES OF BIOMEDICAL SCIENCE AB (PLTW) (PRBIOSCI AB/H)	HSH2092AB
In this Project Lead the Way course, students investigate the human body systems and various health conditions	N1302092
including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person and investigate lifestyle choices and medical	Grade level: 9 HS Credit(s): 1
treatments that might have prolonged the person's life. The activities and projects introduce students to human	113 Cledit(s). 1
physiology, medicine, research processes and bioinformatics. This course is designed to provide an overview of	
all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses.	
Students in this honors course will complete a project using the five phases of project management used in the	
business and industry environment. In addition to the regular course curriculum, students in the honors course	
will complete additional projects and activities related to the program of study.	
Instructional Material: PLTW CURRICULUM	College Hour(s): NA
Prerequisite(s): None	Tier II
Offered only at: TABS, a Project Lead the Way approved school.	
ANATOMY AND PHYSIOLOGY AB (ANATPHYS AB)	HS02062AB
In Anatomy and Physiology, students conduct laboratory and field investigations, use scientific methods during	13020600
investigations, and make informed decisions using critical thinking and scientific problem solving. Students in	Grade level: 11 – 12
Anatomy and Physiology study a variety of topics, including the structure and function of the human body and	HS Credit(s): 1
the interaction of body systems for maintaining homeostasis.	
Instructional Material: Introduction to Anatomy & Physiology, Goodheart Willcox Co. ISBN#: 9781683113065	College Hour(s): NA
Prerequisite(s): Biology and Chemistry	Tier III
Anatomy and Physiology may be taught by any CTE teacher certified in Health Science Technology Education or	
Vocational Health Occupations with a baccalaureate degree and 18 semester credit hours in any combination of sciences.	
HONORS ANATOMY AND PHYSIOLOGY AB (ANATPHYS AB/H)	HSH02062AB
Students in this honors course will complete a project using the five phases of project management used in the	13020600
business and industry environment. Anatomy and Physiology may be taught by any CTE teacher certified in	Grade level: 11 – 12
Health Science Technology Education or Vocational Health Occupations with a baccalaureate degree and 18	HS Credit(s): 1
semester credit hours in any combination of sciences. It may also be taught by a certified secondary science	
teacher. 19 TAC Chapter 231. In addition to the regular course curriculum, students in the honors course will	
complete additional projects and activities related to the program of study.	
Instructional Material: Introduction to Anatomy & Physiology, Goodheart Willcox Co.	College Hour(s): NA
Prerequisite(s): Biology and Chemistry	Tier II
HONORS HUMAN BODY SYSTEMS AB (PLTW) (HUMBODSY AB/H)	HSH2093AB
In this Project Lead the Way course, students examine the interactions of body systems as they explore identity,	N1302093
communication, power, movement, protection, and homeostasis. Students design experiments, investigate the	Grade level: 10
structures and functions of the human body, and use data acquisition software to monitor body functions such	HS Credit(s): 1
as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real-world cases and often play the role of	
biomedical professionals to solve medical mysteries. Students in this honors course will complete a project using	
the five phases of project management used in the business and industry environment. In addition to the	
regular course curriculum, students in the honors course will complete additional projects and activities related	
to the program of study.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Medical Terminology and Principles of Biomedical Science	Tier II
Offered only at: TABS, a Project Lead the Way approved school	
MEDICAL MICROBIOLOGY AB (MICRO AB)	HS02071AB
Students in Medical Microbiology explore the microbial world, studying topics such as pathogenic and non-	13020700
pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and	Grade level: 11 - 12
emerging diseases. Pathogenic and nonpathogenic organisms will be identified to assist in the understanding of	HS Credit(s): 1
specific diseases, causative agents, and treatment options. Activities will include a variety of lab experiences	
designed to build microbiology lab skills and techniques. In this course, students conduct laboratory and field	
investigations, use scientific methods during investigations, and make informed decisions using critical thinking	
and scientific problem solving.	C II
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Biology and Chemistry. This government has to what have partified according a signed together or any CTF together contified in MagIth Science.	Tier III
This course may be taught by a certified secondary science teacher or any CTE teacher certified in Health Science	
Technology Education or Vocational Health Occupations with a baccalaureate degree and 18 semester credit hours in any combination of sciences. 19 TAC Chapter 231.	
· · · · · · · · · · · · · · · · · · ·	HSH02071AB
	HJOUZU/ IAD
HONORS MEDICAL MICROBIOLOGY AB (MICRO AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and	13020700
In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13020700 Grade level: 11 - 12

Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 1
Prerequisite(s): Biology and Chemistry	College Hour(s): NA
This course may be taught by a certified secondary science teacher or any CTE teacher certified in Health Science Technology Education or Vocational Health Occupations with a baccalaureate degree and 18 semester credit hours in any combination of sciences. 19 TAC Chapter 231.	Tier II
PATHOPHYSIOLOGY AB (PATHO AB)	HS20801AB
n Pathophysiology, students conduct laboratory and field investigations, use scientific methods during	13020800
nvestigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology study disease processes and how humans are affected. Emphasis is placed on prevention and	Grade level: 11 - 12 HS Credit(s): 1
reatment of disease. Students will differentiate between normal and abnormal physiology.	C.H. H. () NA
nstructional Material: Human Disease 4th edition; Cengage Learning Prerequisite(s): Biology and Chemistry; Principles of Health Science 4th year science credit	College Hour(s): NA Tier III
HONORS PATHOPHYSIOLOGY AB (PATHO AB/H)	HSH20801AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13020800
activities related to the program of study.	Grade level: 11 – 12
nstructional Material: Human Disease 4th edition; Cengage Learning	HS Credit(s): 1
Prerequisite(s): Biology and Chemistry; Principles of Health Science	College Hour(s): NA
4th year science credit	Tier II
WORLD HEALTH RESEARCH AB (WORLDHR AB)	HS02092AB
This course examines major world health problems and emerging technologies as solutions to these medical concerns. The course is designed to improve students' understanding of the cultural, infrastructural, political,	13020900 Grade level: 12
educational, and technological constraints and inspire ideas for appropriate technological solutions to global medical care issues.	HS Credit(s): 1
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Health Science Theory and Clinical Offered only at: TABS, North Side, Trimble Tech, and OD Wyatt	Tier III
HONORS WORLD HEALTH RESEARCH AB (WORLDHR AB/H)	HSH02092AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13020900 Grade level: 12
nstructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 1
Prerequisite(s): Health Science Theory and Clinical	College Hour(s): NA
This course is designed to provide students an opportunity to earn one advanced measure for the Distinguished Achievement.	Tier II
Offered only at: TABS, North Side, Trimble Tech, and OD Wyatt PRINCIPLES OF HEALTH SCIENCE AB (PRINHLSC AB)	HS02022AB
Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, support	1302022AB
services, and biotechnology research and development systems of the health care industry. Students learn that to pursue a career in the health science industry, they must be able to reason, think critically, make decisions, solve problems, and communicate effectively. They learn that quality health care depends on the ability to work well with others. Students identify and research employment opportunities, technology, and safety requirements of	Grade level: 9 HS Credit(s): 1
science career. Students are expected to employ their ethical and legal responsibilities, identify limitations, as well as understand the implications of their actions. This course will also introduce students to the structure of medical	
science career. Students are expected to employ their ethical and legal responsibilities, identify limitations, as well as understand the implications of their actions. This course will also introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. Instructional Material: Principles of Health Science Texas Student Edition and Medical Terminology, A Living Language, Third Edition, 2017, Pearson Education Prerequisite(s): N/A	College Hour(s): NA Tier III
cience career. Students are expected to employ their ethical and legal responsibilities, identify limitations, as well is understand the implications of their actions. This course will also introduce students to the structure of medical erms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. Instructional Material: Principles of Health Science Texas Student Edition and Medical Terminology, A Living language, Third Edition, 2017, Pearson Education Perequisite(s): N/A Offered only at: North Side, Trimble Tech, OD Wyatt, and TABS	Tier III
cience career. Students are expected to employ their ethical and legal responsibilities, identify limitations, as well is understand the implications of their actions. This course will also introduce students to the structure of medical erms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. Instructional Material: Principles of Health Science Texas Student Edition and Medical Terminology, A Living anguage, Third Edition, 2017, Pearson Education Pererequisite(s): N/A Offered only at: North Side, Trimble Tech, OD Wyatt, and TABS HONORS PRINCIPLES OF HEALTH SCIENCE AB (PRINHLSC AB/H)	Tier III HSH02022AB
science career. Students are expected to employ their ethical and legal responsibilities, identify limitations, as well as understand the implications of their actions. This course will also introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. Instructional Material: Principles of Health Science Texas Student Edition and Medical Terminology, A Living Language, Third Edition, 2017, Pearson Education Prerequisite(s): N/A Offered only at: North Side, Trimble Tech, OD Wyatt, and TABS HONORS PRINCIPLES OF HEALTH SCIENCE AB (PRINHLSC AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	HSH02022AB 13020200 Grade level: 9
cience career. Students are expected to employ their ethical and legal responsibilities, identify limitations, as well is understand the implications of their actions. This course will also introduce students to the structure of medical erms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. Instructional Material: Principles of Health Science Texas Student Edition and Medical Terminology, A Living anguage, Third Edition, 2017, Pearson Education Prerequisite(s): N/A Offered only at: North Side, Trimble Tech, OD Wyatt, and TABS HONORS PRINCIPLES OF HEALTH SCIENCE AB (PRINHLSC AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Principles of Health Science Texas Student Edition and Medical Terminology, A Living anguage, Third Edition, 2017, Pearson Education Perequisite(s): N/A	Tier III HSH02022AB 13020200
the different systems within health science field. They apply knowledge and skills needed to pursue a health science career. Students are expected to employ their ethical and legal responsibilities, identify limitations, as well as understand the implications of their actions. This course will also introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. Instructional Material: Principles of Health Science Texas Student Edition and Medical Terminology, A Living Language, Third Edition, 2017, Pearson Education Prerequisite(s): N/A Offered only at: North Side, Trimble Tech, OD Wyatt, and TABS HONORS PRINCIPLES OF HEALTH SCIENCE AB (PRINHLSC AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Principles of Health Science Texas Student Edition and Medical Terminology, A Living Language, Third Edition, 2017, Pearson Education Prerequisite(s): N/A Offered only at: North Side, Trimble Tech, OD Wyatt, and TABS HEALTH SCIENCE THEORY AB (HLTHSCI AB)	HSH02022AB 13020200 Grade level: 9 HS Credit(s): 1 College Hour(s): NA
science career. Students are expected to employ their ethical and legal responsibilities, identify limitations, as well as understand the implications of their actions. This course will also introduce students to the structure of medical sterms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. Instructional Material: Principles of Health Science Texas Student Edition and Medical Terminology, A Living Language, Third Edition, 2017, Pearson Education Prerequisite(s): N/A Offered only at: North Side, Trimble Tech, OD Wyatt, and TABS HONORS PRINCIPLES OF HEALTH SCIENCE AB (PRINHLSC AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Principles of Health Science Texas Student Edition and Medical Terminology, A Living Language, Third Edition, 2017, Pearson Education Pererequisite(s): N/A	HSH02022AB 13020200 Grade level: 9 HS Credit(s): 1 College Hour(s): NA Tier II

HONORS HEALTH SCIENCE THEORY AB (HLTHSCI AB)	HSH02042AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13020400
activities related to the program of study.	Grade level: 11
Instructional Material: DHO Health Science, Updated 8th Edition, Cengage Learning Inc.	HS Credit(s): 1
Prerequisite(s): Principles of Health Science	College Hour(s): NA
Offered only at: North Side, Trimble Tech, OD Wyatt, and TABS	Tier II
PRACTICUM IN HEALTH SCIENCE I: GENERAL CLINICAL SKILLS AB	HS05010AB
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of career and technical education courses within their designated program of study. The Practicum is designed to	13020500 Grade level: 11
give students practical application of previously studied knowledge and skills. In this double period course,	HS Credit(s): 2
students will gain knowledge and skills that will prepare them for their senior clinical certification course. In this	113 credit(3). L
course the student will learn to perform skills that will prepare them to work in the hospital setting, including	
taking vitals, assisting with activities of daily living, and providing comfort care. The student will gain basic	
knowledge of medical terms, ethics, legal issues, and anatomy and physiology. Practicum capstone experiences	
can occur in a variety of locations appropriate to the nature and level of experiences such as independent study,	
assistantships, mentorships, or laboratories. The various in-class capstone experiences include students working	
in a simulated environment, running an enterprise, or be involved in program-specific local projects the school	
has approved for this class. Additional capstone experiences also include students being selected to be a part of a work-based experience or industry training off-site, outside of school.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Health Science Theory	Tier III
Offered only at: North Side, O.D. Wyatt, Trimble Tech and TABS	
HONORS PRACTICUM IN HEALTH SCIENCE I: GENERAL CLINICAL SKILLS AB	HSH05010AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13020500
activities related to the program of study.	Grade level: 11
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 2
Prerequisite(s): Health Science Theory	College Hour(s): NA
Offered only at: North Side, O.D. Wyatt, Trimble Tech and TABS	Tier II
PRACTICUM IN HEALTH SCIENCE II: EMERGENCY MEDICAL CARE/D AB (PRACHLS2 EMC AB)	HS05033AB
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of	13020510
career and technical education courses within their designated program of study. This practicum is designed to give students practical application of previously studied knowledge and skills. In this course students will gain an	Grade level: 12 HS Credit(s): 2
understanding of the pathophysiology of common medical and trauma emergencies and become proficient in	113 Cledit(3). 2
the skills necessary to treat them in the pre-hospital setting. This course will prepare the student to take the	
national Emergency Medical Technician exam. EMTB (basic) level certification is the standard beginning level to	
work in an ambulance. Practicum capstone experiences can occur in a variety of locations appropriate to the	
nature and level of experiences such as independent study, assistantships, mentorships, or laboratories. The	
various in-class capstone experiences include students working in a simulated environment, running an	
enterprise, or be involved in program-specific local projects the school has approved for this class. Additional	
capstone experiences also include students being selected to be a part of a work-based experience or industry	
training off site outside of school	
•	College Hour(s): NA
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Practicum in Health Science I: General Clinical Skills or permission of the CTE Department	College Hour(s): NA Tier III
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Practicum in Health Science I: General Clinical Skills or permission of the CTE Department Offered only at: Trimble Tech	Tier III
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Practicum in Health Science I: General Clinical Skills or permission of the CTE Department Offered only at: Trimble Tech HONORS PRACTICUM IN HEALTH SCIENCE II: EMERGENCY MEDICAL CARE/D AB	_
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Practicum in Health Science I: General Clinical Skills or permission of the CTE Department Offered only at: Trimble Tech HONORS PRACTICUM IN HEALTH SCIENCE II: EMERGENCY MEDICAL CARE/D AB (PRACHLS2 EMC AB/H)	Tier III
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Practicum in Health Science I: General Clinical Skills or permission of the CTE Department Offered only at: Trimble Tech HONORS PRACTICUM IN HEALTH SCIENCE II: EMERGENCY MEDICAL CARE/D AB (PRACHLS2 EMC AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and	HSH05033AB
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Practicum in Health Science I: General Clinical Skills or permission of the CTE Department Offered only at: Trimble Tech HONORS PRACTICUM IN HEALTH SCIENCE II: EMERGENCY MEDICAL CARE/D AB (PRACHLS2 EMC AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials	Tier III HSH05033AB 13020510
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Practicum in Health Science I: General Clinical Skills or permission of the CTE Department Offered only at: Trimble Tech HONORS PRACTICUM IN HEALTH SCIENCE II: EMERGENCY MEDICAL CARE/D AB (PRACHLS2 EMC AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Practicum in Health Science I: General Clinical Skills or permission of the CTE Department	HSH05033AB 13020510 Grade level: 12 HS Credit(s): 2 College Hour(s): NA
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<u>Instructional Material</u> : Contact Career and Technical Education Department for related materials <u>Prerequisite(s)</u> : Practicum in Health Science I: General Clinical Skills	College Hour(s): NA Tier III
Offered only at: North Side, O.D. Wyatt, Trimble Tech and TABS	
HONORS PRACTICUM IN HEALTH SCIENCE II: PATIENT CARE TECHNICIAN/D AB (PHSPCT 2AB/H)	HSH30204AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13020510 Grade level: 12
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 2
<u>Prerequisite(s)</u> : Practicum in Health Science I: General Clinical Skills	College Hour(s): NA
Offered only at: North Side, O.D. Wyatt, Trimble Tech and TABS	Tier II
PRACTICUM IN HEALTH SCIENCE II: PHARMACY TECH/D AB (PHSPHT 2AB)	HS05214AB
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of	13020510
career and technical education courses within their designated program of study. This Practicum is designed to	Grade level: 12
give students practical application of previously studied knowledge and skills. The student will gain knowledge	HS Credit(s): 2
and skills in this double-period course to pursue a Pharmacy Technician Certification. Practicum experiences can	
occur in a variety of locations appropriate to the nature and level of experience. In this course students will	
document technical knowledge and skills in an updated professional portfolio that includes technical skill	
competencies, licensures or certifications, awards and scholarships, and extended learning experiences such as	
community service and active participation in career and technical student organizations and professional organizations. Practicum capstone experiences can occur in a variety of locations appropriate to the	
nature and level of experiences such as independent study, assistantships, mentorships, or laboratories. The	
various in-class capstone experiences include students working in a simulated environment, running an	
enterprise, or be involved in program-specific local projects the school has approved for this class. Additional	
capstone experiences also include students being selected to be a part of a work-based experience or industry	
training off-site, outside of school.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Practicum in Health Science I: General Clinical Skills or Pharmacology	Tier III
Offered only at: North Side, Trimble Tech, OD Wyatt, and TABS	
HONORS PRACTICUM IN HEALTH SCIENCE II: PHARMACY TECH/D AB (PHSPHT 2AB/H)	HSH05214AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13020510
activities related to the program of study.	Grade level: 12
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 2
Prerequisite(s): Practicum in Health Science I: General Clinical Skills or Pharmacology	College Hour(s): NA
Offered only at: North Side, Trimble Tech, OD Wyatt, and TABS	Tier II
PROJECT-BASED RESEARCH IN HEALTH SCIENCE AB (PROBS2 AB)	HS01532AB
Project Based Research in Health Science is a course for students who have the ability to research a real-world problem. Students develop a project on a topic related to career interests, use scientific methods of investigation	12701500 Grade level: 12
to conduct in-depth research, are matched with a mentor from the business or professional community, compile	HS Credit(s): 1
findings, and present their findings to an audience that includes experts in the field. To attain academic success,	113 Cledit(3). 1
students must have opportunities to learn, reinforce, apply, and transfer their knowledge, skills, and technologies	
in a variety of settings. This course must be cooperatively planned by the student and teacher, continuously	
supervised by the teacher, and conducted by the student with the guidance and support of a mentor or	
interdisciplinary team. The district must maintain a written project plan for each student enrolled in the courses.	
Instructional Material: Contact Career and Technical Education Director for related materials	College Hour(s): NA
Prerequisite(s): Practicum in Health Science I: General Clinical Skills	Tier III
This course is designed to provide students an opportunity to earn one advanced measure for the Distinguished	
Achievement Program.	
Offered only at: North Side, Trimble Tech, OD Wyatt, and TABS HONORS PROJECT-BASED RESEARCH IN HEALTH SCIENCE AB (PROBS2 AB/H)	HSH01532AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	12701500
activities related to the program of study.	Grade level: 12
Instructional Material: Contact Career and Technical Education Director for related materials	HS Credit(s): 1
Prerequisite(s): Practicum in Health Science I: General Clinical Skills	College Hour(s): NA
This course is designed to provide students an opportunity to earn one advanced measure for the Distinguished	Tier II
Achievement Program.	
Offered only at: North Side, Trimble Tech, OD Wyatt, and TABS	
PHARMACOLOGY AB (PHARM AB)	HS02044AB
The Pharmacology course is designed to study how natural and synthetic chemical agents such as drugs affect	13020950
biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. It is	Grade level:11
an ever-changing, growing body of information that continually demands greater amounts of time and education	HS Credit(s): 1
from health care workers.	Collogo Harrigh NA
<u>Instructional Material</u> : Contact Career and Technical Education Department for related materials <u>Prereguisite(s):</u> Biology and Chemistry	College Hour(s): NA Tier III
	1151 111
<u>Co-Requisite:</u> Practicum in Health Science I: General Clinical Skills	

Offered only at: Trimble Tech, North Side, OD Wyatt, and TABS

HONORS PHARMACOLOGY AB (PHARM AB/H)	HSH02044AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13020950
activities related to the program of study.	Grade level: 11
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 1
Prerequisite(s): Biology and Chemistry.	College Hour(s): NA
Co-Requisite: Practicum in Health Science I: General Clinical Skills	Tier II
Offered only at: Trimble Tech, North Side, OD Wyatt, and TABS	LICENCIA
DUAL CREDIT PRACTICUM IN HEALTH SCIENCE: CENTRAL STERILE PROCESSING (PHSCSP A DC)	HSD02052A
TCC COURSE: (HPRS 1470) Central Sterile Processing and (HPRS 1370) Central Sterile	
Processing II	
This Practicum is designed to give students practical application of previously studied knowledge and skills. In	13020510
this double-period course, students will gain knowledge and skills to pursue a certification as Central Sterile	Grade level: 12
Processing Technician. Practicum experiences can occur in a variety of locations appropriate to the nature and	HS Credit(s): 1
level of experience. Sterile processing technicians are specially trained healthcare workers who use their	
specialized skills and knowledge to clean and sterilize medical instruments, equipment, and supplies. In this	
course students will document technical knowledge and skills in an updated professional portfolio that includes	
technical skill competencies; licensures or certifications, awards and scholarships and extended learning experiences such as community service and active participation in career and technical student organizations	
and professional organizations.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): 7
<u>Prerequisite(s)</u> : Practicum in Health Science I: General Clinical Skills	Tier I
Offered only at: TABS	i ici i
DUAL CREDIT PRACTICUM IN HEALTH SCIENCE: CENTRAL STERILE PROCESSING (PHSCSP B DC)	USD02052B
•	H3D02032B
TCC COURSE: (HPRS 1471) Central Sterile Processing III and (HPRS 1561) Central Sterile	
Processing Clinicals	
This Practicum is designed to give students practical application of previously studied knowledge and skills. In	13020510
this double-period course, students will gain knowledge and skills to pursue a certification as Central Sterile	Grade level: 12
Processing Technician. Practicum experiences can occur in a variety of locations appropriate to the nature and	HS Credit(s): 1
level of experience. Sterile processing technicians are specially trained healthcare workers who use their specialized skills and knowledge to clean and sterilize medical instruments, equipment, and supplies. In this	
course students will document technical knowledge and skills in an updated professional portfolio that includes	
technical skill competencies; licensures or certifications, awards and scholarships and extended learning	
experiences such as community service and active participation in career and technical student organizations	
and professional organizations.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): 9
Prerequisite(s): Practicum in Health Science I: General Clinical Skills	Tier I
Offered only at: TABS	
HONORS SCIENTIFIC RESEARCH AND DESIGN III AB (SCIRD3 AB/H)	STH37222AB
The student conducts laboratory and field investigations using safe, environmentally appropriate, and ethical	13037220
practices. These investigations must involve actively obtaining and analyzing data with physical equipment but	Grade level: 12
may also involve experimentation in a simulated environment as well as field observations that extend beyond	HS Credit(s): 1
the science or CTE classrooms. Research in an area of bio-related technology; communication; construction;	
energy, power, and transportation; or engineering align with various CTE clusters. Students apply research to	
problem solving and development of prototypes and working models. Special projects are included in this	
honors level course. Independent research is a required component of all Honors Scientific Research and Design	
courses. In addition to the regular course curriculum, students in the honors course will complete additional	
projects and activities related to the program of study.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
<u>Prerequisite(s)</u> : To receive 4th year science credit students must have completed three (3) units of science	Tier II
(Biology, Chemistry, Physics) one (1) of which may be taken concurrently.	
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CTE teacher with a baccalaureate degree and 18 semester credit hours.	
CTE teacher with a baccalaureate degree and 18 semester credit hours. PRINCIPLES OF EXERCISE SCIENCE AND WELLNESS (EXSCIWL AB)	HS13021AB
CTE teacher with a baccalaureate degree and 18 semester credit hours. PRINCIPLES OF EXERCISE SCIENCE AND WELLNESS (EXSCIWL AB) The Principles of Exercise Science and Wellness course is designed to provide for the development of knowledge	N1302107
CTE teacher with a baccalaureate degree and 18 semester credit hours. PRINCIPLES OF EXERCISE SCIENCE AND WELLNESS (EXSCIWL AB) The Principles of Exercise Science and Wellness course is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health. Students in this	N1302107 Grade level: 9
PRINCIPLES OF EXERCISE SCIENCE AND WELLNESS (EXSCIWL AB) The Principles of Exercise Science and Wellness course is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health. Students in this course will understand diet and exercise, as well as techniques to help patients recover from injury, illness, and	N1302107
PRINCIPLES OF EXERCISE SCIENCE AND WELLNESS (EXSCIWL AB) The Principles of Exercise Science and Wellness course is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health. Students in this course will understand diet and exercise, as well as techniques to help patients recover from injury, illness, and disease. They will also learn about introductory health science topics such as employability skills, lifespan	N1302107 Grade level: 9
PRINCIPLES OF EXERCISE SCIENCE AND WELLNESS (EXSCIWL AB) The Principles of Exercise Science and Wellness course is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health. Students in this course will understand diet and exercise, as well as techniques to help patients recover from injury, illness, and disease. They will also learn about introductory health science topics such as employability skills, lifespan development, and ethical and legal standards. Students who take this course are ideally interested in such	N1302107 Grade level: 9
PRINCIPLES OF EXERCISE SCIENCE AND WELLNESS (EXSCIWL AB) The Principles of Exercise Science and Wellness course is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health. Students in this course will understand diet and exercise, as well as techniques to help patients recover from injury, illness, and disease. They will also learn about introductory health science topics such as employability skills, lifespan development, and ethical and legal standards. Students who take this course are ideally interested in such careers as physical therapy, athletic training, nutrition, personal training, and recreational therapy. The central	N1302107 Grade level: 9
PRINCIPLES OF EXERCISE SCIENCE AND WELLNESS (EXSCIWL AB) The Principles of Exercise Science and Wellness course is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health. Students in this course will understand diet and exercise, as well as techniques to help patients recover from injury, illness, and disease. They will also learn about introductory health science topics such as employability skills, lifespan development, and ethical and legal standards. Students who take this course are ideally interested in such careers as physical therapy, athletic training, nutrition, personal training, and recreational therapy. The central focus of this course is to provide students with a solid foundation in the topics of health and wellness and	N1302107 Grade level: 9
Course taught by locally certified gifted teacher and may be taught by any certified secondary science teacher or CTE teacher with a baccalaureate degree and 18 semester credit hours. PRINCIPLES OF EXERCISE SCIENCE AND WELLNESS (EXSCIWL AB) The Principles of Exercise Science and Wellness course is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health. Students in this course will understand diet and exercise, as well as techniques to help patients recover from injury, illness, and disease. They will also learn about introductory health science topics such as employability skills, lifespan development, and ethical and legal standards. Students who take this course are ideally interested in such careers as physical therapy, athletic training, nutrition, personal training, and recreational therapy. The central focus of this course is to provide students with a solid foundation in the topics of health and wellness and increase their interest in the various careers available in these fields.	N1302107 Grade level: 9 HS Credit(s): 1
PRINCIPLES OF EXERCISE SCIENCE AND WELLNESS (EXSCIWL AB) The Principles of Exercise Science and Wellness course is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health. Students in this course will understand diet and exercise, as well as techniques to help patients recover from injury, illness, and disease. They will also learn about introductory health science topics such as employability skills, lifespan development, and ethical and legal standards. Students who take this course are ideally interested in such careers as physical therapy, athletic training, nutrition, personal training, and recreational therapy. The central focus of this course is to provide students with a solid foundation in the topics of health and wellness and	N1302107 Grade level: 9

	HSH13021AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	N1302107 Grade level: 9
nstructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 1
Prerequisite(s): None	College Hour(s): N/A
Offered only at: South Hills	Tier II
KINESIOLOGY I (KINES1 AB)	HS02104AB
his course is designed to introduce students to the basic concepts of kinesiology. Students will gain an	N1302104
inderstanding of body mechanics, physiological functions of muscles and movements, the history of	Grade level: 10
inesiology, and the psychological impact of sports and athletic performance. Students will also explore careers	HS Credit(s): 1
within the kinesiology field and be able to explain the societal demand for kinesiology-related jobs. Students will	
levelop a foundation in Kinesiology I that will prepare them for upper-level courses that will dive deeper into	
he anatomical and physiological functions of the body and provide opportunities for an industry-certified exam	
uch as a certified personal trainer. nstructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): N/A
<u>Prerequisite(s)</u> : Principles of Exercise Science and Wellness	College Hour(s): N/A Tier III
Offered only at: South Hills	Her III
HONORS KINESIOLOGY I (KINES1 AB/H)	HSH02104AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	N1302104
inctivities related to the program of study.	Grade level: 10
nstructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 1
<u>Prerequisite(s)</u> : Principles of Exercise Science and Wellness	College Hour(s): N/A
Offered only at: South Hills	Tier II
(INESIOLOGY II (KINES2 AB)	TBD HS****AB
The Kinesiology II course is designed to provide students an advanced level of knowledge, skills, and	N1302124
inderstanding of body composition and the effect on health, nutritional needs of physically active individuals,	Grade level: 11
qualitative biomechanics, application of therapeutic modalities, appropriate rehabilitation services, and aerobic	HS Credit(s): 1
raining intensity programs. The course is designed to allow students to advance their understanding of	
professional standards, employability skills, and ethical and legal standards. Throughout this course, students	
explore the healthcare/exercise business model and gain an understanding of therapeutic sports psychology.	
Students develop proper aerobic fitness programs and rehabilitation programs. Kinesiology II prepares students or an industry certification exam such as Certified Personal Trainer.	
nstructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): N/A
Prerequisite(s): Kinesiology I	Tier III
Offered only at: South Hills	
Offered only at: South Hills HONORS KINESIOLOGY II (KINES2 AB/H)	TBD HSH****AB
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HONORS KINESIOLOGY II (KINES2 AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials Perequisite(s): Kinesiology I	N1302124 Grade level: 11 HS Credit(s): 1 College Hour(s): N/A
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HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H)	CPH01500AB
Students will research a real-world problem and possible solutions throughout this course. Students develop a	12701500
project on a topic related to career interests, use scientific methods of investigation to conduct in-depth	Grade level: 11-12
research, are matched with a mentor from the business or professional community, compile findings, and	HS Credit(s): 1
present their findings to an audience that includes experts in the field. This course must be cooperatively	
planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or	
interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course. Instructional Material: Contact Career and Technical Education Department for related materials.	College Hour(s): NA
Prerequisite(s): Kinesiology II	Tier II
Offered only at: South Hills	Her II
HONORS PRINCIPLES OF BIOMEDICAL SCIENCE AB (PLTW) (PRBIOSCI AB/H)	HSH2092AB
In this Project Lead the Way course, students investigate the human body systems and various health	N1302092
conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases.	Grade level: 9
They determine the factors that led to the death of a fictional person and investigate lifestyle choices and	HS Credit(s): 1
medical treatments that might have prolonged the person's life. The activities and projects introduce students	115 Creat(5). 1
to human physiology, medicine, research processes and bioinformatics. This course is designed to provide an	
overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent	
courses. Students in this honors course will complete a project using the five phases of project management	
used in the business and industry environment. In addition to the regular course curriculum, students in the	
honors course will complete additional projects and activities related to the program of study.	
Instructional Material: Project Lead the Way materials furnished by CTE department	College Hour(s): NA
Prerequisite(s): None	Tier II
Offered at: TABS	
HONORS HUMAN BODY SYSTEMS AB (PLTW) (HUMBODSY AB/H)	HSH2093AB
n this Project Lead the Way course, students examine the interactions of body systems as they explore identity,	N1302093
communication, power, movement, protection, and homeostasis. Students design experiments, investigate the	Grade level: 10
structures and functions of the human body, and use data acquisition software to monitor body functions such	HS Credit(s): 1
as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build	ris cicar(s).
organs and tissues on a skeletal manikin, work through interesting real-world cases and often play the role of	
biomedical professionals to solve medical mysteries. In addition to the regular course curriculum, students in	
the honors course will complete additional projects and activities related to the program of study.	
Instructional Material: Project Lead the Way materials furnished by CTE department	College Hour(s): NA
Prerequisite(s): Principles of Biomedical Science (PLTW)	Tier II
Offered at: TABS	
HONORS MEDICAL INTERVENTIONS AB (PLTW) (MEDINT AB/H)	HSH30209AB
Students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as	N1302094
they follow the life of a fictitious family. The course is a "How-To" manual for maintaining overall health and	Grade level: 11 - 12
homeostasis in the body. Students explore how to prevent and fight infection; screen and evaluate the code in	HS Credit(s): 1
human DNA; prevent, diagnose and treat cancer; and prevail when the organs of the body begin to fail.	
Through these scenarios, students are exposed to a range of interventions related to immunology, surgery,	
genetics, pharmacology, medical devices, and diagnostics. In addition to the regular course curriculum,	
students in the honors course will complete additional projects and activities related to the program of study.	
Instructional Material: Project Lead the Way materials furnished by CTE department	College Hour(s): NA
Prerequisite(s): Human Body Systems (PLTW)	Tier II
Offered at: TABS	
HONORS UNPAID PRACTICUM IN STEM/d AB (PRACSTEM AB/H)	STH37402AB
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of	13037400
career and technical education courses within their designated program of study. This course is designed to	Grade level: 12
give students supervised practical application of previously studied knowledge and skills. Practicum	HS Credit(s): 2
experiences can occur in a variety of locations appropriate to the nature and level of experience. In addition	
experiences can occur in a variety of locations appropriate to the nature and level of experience. In addition, students in this honors course will complete a project using the five phases of project management used in the	
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students in this honors course will complete a project using the five phases of project management used in the ousiness and industry environment. Practicum capstone experiences can occur in a variety of locations appropriate to the nature and level of experiences such as independent study, assistantships, mentorships, or aboratories. The various in-class capstone experiences include students working in a simulated environment, running an enterprise, or be involved in program-specific local projects the school has approved for this class. Additional capstone experiences also include students being selected to be a part of a work-based experience or industry training off-site, outside of school. In addition to the regular course curriculum, students in the monors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Director for related materials Prerequisite(s): Medical Interventions (PLTW), Medical Microbiology Offered only at: TABS HONORS PAID PRACTICUM IN STEM/EXTENDED AB (EXPRSTEM1 AB/H) This practicum course is an unpaid capstone experience for students participating in a coherent sequence of career and technical education courses within their designated program of study. This course is designed to give	Tier II STH37405AB
students in this honors course will complete a project using the five phases of project management used in the business and industry environment. Practicum capstone experiences can occur in a variety of locations appropriate to the nature and level of experiences such as independent study, assistantships, mentorships, or laboratories. The various in-class capstone experiences include students working in a simulated environment, running an enterprise, or be involved in program-specific local projects the school has approved for this class. Additional capstone experiences also include students being selected to be a part of a work-based experience or industry training off-site, outside of school. In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Director for related materials	STH37405AB 13037405

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nature and level of experiences such as independent study, assistantships, mentorships, or laboratories. The	
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enterprise, or be involved in program-specific local projects the school has approved for this class. Additional	
capstone experiences also include students being selected to be a part of a work-based experience or industry	
training off-site, outside of school. In addition to the regular course curriculum, students in the honors course	
will complete additional projects and activities related to the program of study	
Instructional Material: Contact Career and Technical Education Director for related materials	HS Credit(s): 3
Prerequisite(s): Medical Interventions (PLTW), Medical Microbiology	College Hour(s): NA
Offered only at: TABS	Tier II
HONORS PAID PRACTICUM IN STEM AB (PRACSTEM-AB/H)	STH37409AB
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of	13037400
career and technical education courses within their designated program of study. This course is designed to give	Grade level: 12
students supervised practical application of previously studied knowledge and skills. Practicum experiences can	HS Credit(s): 2
occur in a variety of locations appropriate to the nature and level of experience. In addition, students in this	
honors course will complete a project using the five phases of project management used in the business and	
industry environment. Practicum capstone experiences can occur in a variety of locations appropriate to the	
nature and level of experiences such as independent study, assistantships, mentorships, or laboratories. The	
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enterprise, or be involved in program-specific local projects the school has approved for this class. Additional	
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training off-site, outside of school. In addition to the regular course curriculum, students in the honors course	
will complete additional projects and activities related to the program of study.	
Instructional Material: Contact Career and Technical Education Director for related materials	College Hour(s): NA
Prerequisite(s): Medical Interventions (PLTW), Medical Microbiology	Tier II
•	
Offered only at: TABS	

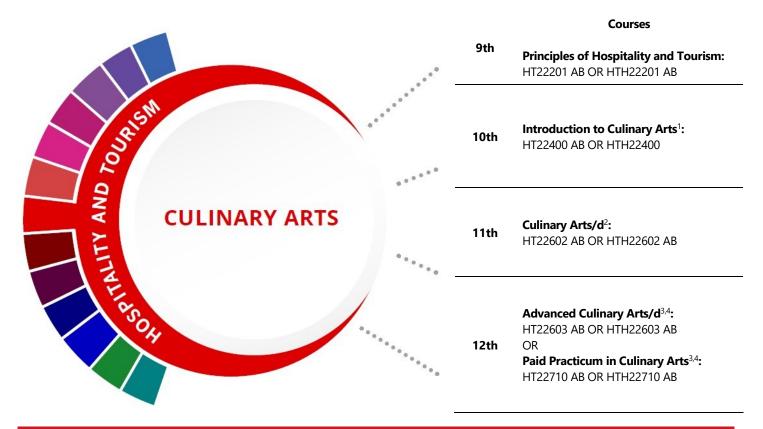


Hospitality and Tourism

Culinary Arts

Lodging and Resort Management

To reach CTE Completer status, students complete and pass three or more 19 TAC Chapter 126 (C), 127 (B), or 130 CTE courses for four or more credits within a program of study, including at least one level three or level four course from the same program of study.



Enrichment Courses:

• Food Science: HT23002 AB OR HTH23002 AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: ServSafe Food Managers Certification² Certified Fundamentals Cook⁴
- Not counted towards Performance Acknowledgement: ServSafe Food Handlers Certification¹; ServSafe Food Allergens³

Available at:

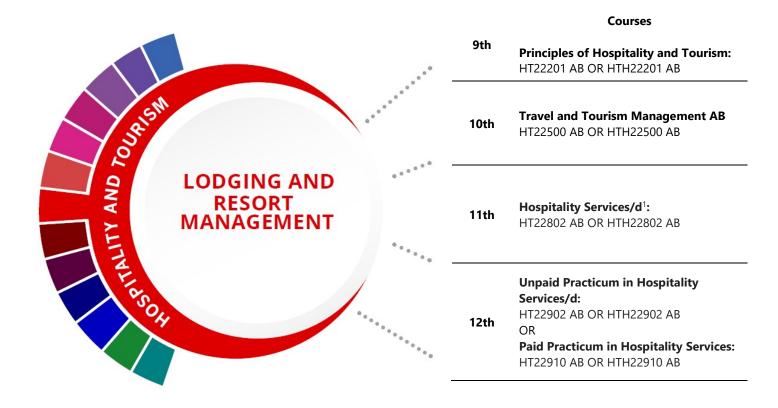
- North Side HS
- OD Wyatt HS
- Polytechnic HS
- South Hills HS
- Trimble Technical HS

The Culinary Arts program of study introduces students to occupations and educational opportunities related to the planning, directing, or coordinating activities of a food and beverage organization or department. This program of study also explores opportunities involved in directing and participating in the preparation and cooking of food.



The Hospitality and Tourism Career Cluster® focuses on the management, marketing, and operations of restaurants and other food/beverage services, lodging, attractions, recreation events, and travel-related services. Students acquire knowledge and skills focusing on communication, time management, and customer service that meet industry standards. Students will explore the history of the hospitality and tourism industry and examine characteristics needed for success.

Successful completion of the Culinary Arts program of study will fulfill requirements of the Business and Industry Endorsement. Revised – July 2020



Enrichment Courses:

• Food Science: HT23002 AB OR HTH23002 AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: TBD
- Not counted towards Performance Acknowledgment: ServSafe Food Managers Certification¹

Available at:

North Side HS

The Lodging and Resort Management program of study introduces students to occupations and educational opportunities related to the logistical and operational management of lodging and resorts. This program of study also explores opportunities related to human resources, financial analysis, and marketing.



The Hospitality and Tourism Career Cluster® focuses on the management, marketing, and operations of restaurants and other food/beverage services, lodging, attractions, recreation events, and travel-related services. Students acquire knowledge and skills focusing on communication, time management, and customer service that meet industry standards. Students will explore the history of the hospitality and tourism industry and examine characteristics needed for success.

Successful completion of the Lodging and Resort Management program of study will fulfill requirements of the Business and Industry Endorsement. Revised - July 2020

COURSE DESCRIPTIONS FOR HOSPITALITY AND TOURISM CLASSES

RINCIPLES OF HOSPITALITY AND TOURISM AB (PRINHOSP AB)	HT22201AB
rinciples of Hospitality and Tourism introduces students to an industry that encompasses lodging, travel and	13022200
purism, recreation, amusements, attractions, and food/beverage operations. Students learn knowledge and	Grade level: 9 - 10
xills focusing on communication, time management, and customer service that meet industry standards.	HS Credit(s): 1
tudents will explore the history of the hospitality and tourism industry and examine characteristics needed for	
uccess in that industry.	
astructional Material: Foundations of Restaurant Management and Culinary Arts Level One, Pearson Education	College Hour(s): NA
rerequisite(s): None	Tier III
ffered at: North Side, Polytechnic, South Hills, Trimble Tech, OD Wyatt	
IONORS PRINCIPLES OF HOSPITALITY AND TOURISM AB (PRINHOSP AB/H)	HTH22201AB
addition to the regular course curriculum, students in the honors course will complete additional projects and	13022200
ctivities related to the program of study.	Grade level: 9 - 10
astructional Material: Foundations of Restaurant Management and Culinary Arts Level One, Pearson Education	HS Credit(s): 1
rerequisite(s): None	College Hour(s): NA
ffered only at: North Side, Polytechnic, South Hills, Trimble Tech, OD Wyatt	Tier II
IOSPITALITY SERVICE/D AB (HOSPSRVS AB)	HT22802AB
ospitality Services provides students with the academic and technical preparation to pursue high-demand and	13022800
igh-skill careers in hospitality related industries. The knowledge and skills are acquired within a sequential,	Grade level: 11 - 12
tandards-based program that integrates hands-on and project-based instruction. Standards included in the	HS Credit(s): 2
ospitality Services course are designed to prepare students for nationally recognized industry certifications, ostsecondary education, and entry-level careers. In addition, Hospitality Services is designed so that	
erformance standards meet employer expectations, enhancing the employability of students. Instruction may	
e delivered through laboratory training or through internships, mentoring, or job shadowing. <u>nstructional Material</u> : ICEV Family and Consumer Sciences Site, CEV Multimedia Ltd.	College Hour(s): NA
rerequisite(s): Principles of Hospitality	Tier III
fered only at: North Side	Her III
IONORS HOSPITALITY SERVICE/D AB (HOSPSRVS AB/H)	HTH22802AB
addition to the regular course curriculum, students in the honors course will complete additional projects and	13022800
ctivities related to the program of study. <u>nstructional Material</u> : ICEV Family and Consumer Sciences Site, CEV Multimedia Ltd.	Grade level: 11 - 12 HS Credit(s): 2
rerequisite(s): Principles of Hospitality and Tourism	College Hour(s): NA
fered only at: North Side	Tier II
INPAID PRACTICUM IN HOSPITALITY SERVICES/D AB (PRACHOS1 AB)	HT22902AB
his practicum course is an unpaid capstone experience for students participating in a coherent sequence of career	13022900
nd technical education courses within the designated program of study. Practicum in Hospitality Services is a	Grade level: 12
nique practicum experience to provide opportunities for students to participate in a learning experience that	HS Credit(s): 2
ombines classroom instruction with actual business and industry career experiences. Practicum in Hospitality	• •
ervices integrates academic and career and technical education; provides more interdisciplinary instruction; and	
upports strong partnerships among schools, businesses, and community institutions with the goal of preparing	
tudents with a variety of skills in a fast-changing culinary art-based workplace. Students are taught employability	
kills, including job specific skills applicable to their training plan, job interview techniques, communication skills,	
nancial and budget activities, human relations, and portfolio development. Practicum in Hospitality Services is	
elevant and rigorous, supports student attainment of academic and technical standards, and effectively prepares	
sudents for college and career success. Practicum capstone experiences can occur in a variety of locations	
ppropriate to the nature and level of experiences such as independent study, assistantships, mentorships, or	
boratories. The various in-class capstone experiences include students working in a simulated environment,	
unning an enterprise, or be involved in program-specific local projects the school has approved for this class.	
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unning an enterprise, or be involved in program-specific local projects the school has approved for this class. dditional capstone experiences also include students being selected to be a part of a work-based experience or industry training off-site, outside of school. Students will build a professional portfolio demonstrating skills in inimation. Instructional Material: Contact Career and Technical Education for related materials rerequisite(s): Hospitality Service I	College Hour(s): NA Tier III
unning an enterprise, or be involved in program-specific local projects the school has approved for this class. dditional capstone experiences also include students being selected to be a part of a work-based experience or industry training off-site, outside of school. Students will build a professional portfolio demonstrating skills in inimation. Instructional Material: Contact Career and Technical Education for related materials rerequisite(s): Hospitality Service I	Tier III
unning an enterprise, or be involved in program-specific local projects the school has approved for this class. dditional capstone experiences also include students being selected to be a part of a work-based experience or industry training off-site, outside of school. Students will build a professional portfolio demonstrating skills in nimation. Instructional Material: Contact Career and Technical Education for related materials rerequisite(s): Hospitality Service I only at: North Side IONORS UNPAID PRACTICUM IN HOSPITALITY SERVICES/D AB (PRACHOS1 AB/H)	Tier III HTH22902AB
unning an enterprise, or be involved in program-specific local projects the school has approved for this class. dditional capstone experiences also include students being selected to be a part of a work-based experience or industry training off-site, outside of school. Students will build a professional portfolio demonstrating skills in nimation. Instructional Material: Contact Career and Technical Education for related materials rerequisite(s): Hospitality Service I Inffered only at: North Side IONORS UNPAID PRACTICUM IN HOSPITALITY SERVICES/D AB (PRACHOS1 AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and	Tier III HTH22902AB 13022900
unning an enterprise, or be involved in program-specific local projects the school has approved for this class. dditional capstone experiences also include students being selected to be a part of a work-based experience or industry training off-site, outside of school. Students will build a professional portfolio demonstrating skills in mimation. Instructional Material: Contact Career and Technical Education for related materials rerequisite(s): Hospitality Service I Inffered only at: North Side IONORS UNPAID PRACTICUM IN HOSPITALITY SERVICES/D AB (PRACHOS1 AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and ctivities related to the program of study.	HTH22902AB 13022900 Grade level: 12
unning an enterprise, or be involved in program-specific local projects the school has approved for this class. dditional capstone experiences also include students being selected to be a part of a work-based experience or industry training off-site, outside of school. Students will build a professional portfolio demonstrating skills in nimation. Instructional Material: Contact Career and Technical Education for related materials rerequisite(s): Hospitality Service I Inffered only at: North Side IONORS UNPAID PRACTICUM IN HOSPITALITY SERVICES/D AB (PRACHOS1 AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and	Tier III HTH22902AB 13022900

PAID PRACTICUM IN HOSPITALITY SERVICES AB/EXTENDED (EXPRHOS1 AB)	HT22910AB
This practicum course is a paid capstone experience for students participating in a coherent sequence of career and technical education courses within their designated program of study. This course provides unique opportunities for students to participate in work-based learning that combines classroom instruction with actual business and industry career experiences. integrates academic and career and technical education; provides	13022905 Grade level: 12 HS Credit(s): 3
nore interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of further enhancing the knowledge, skills, and industry-based experiences that students eceive through workplace application. A student must be a minimum age of 16 and hold valid work	
locumentation, such as a Social Security card, to enroll in any of the paid practicum learning experiences. In order to receive course credit, this course requires that students make a full year commitment to this course and	
heir employment, must have related classroom instruction that averages one class period per week during the chool year, are employed for <u>fifteen (15) hours per week</u> (or average of 30 hours across two weeks) at an approved site within ten days of the beginning of the course. Work hours can be included during the school	
day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan.	
nstructional Material: Contact Career and Technical Education for related materials Prerequisite(s): Hospitality Services I Offered only at: North Side	College Hour(s): NA Tier III
HONORS PAID PRACTICUM IN HOSPITALITY SERVICES AB/EXTENDED (EXPRHOS1 AB/H)	HTH22910AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13022905 Grade level: 12
Instructional Material: Contact Career and Technical Education for related materials Prerequisite(s): Hospitality Services I	HS Credit(s): 3 College Hour(s): NA
Offered only at: North Side	Tier II
INTRODUCTION TO CULINARY ARTS AB (INCULART AB)	HT22400AB
Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing, and	13022550
controlling the management of a variety of food service operations. The course will provide insight into the operation of a well- run restaurant. Introduction to Culinary Arts will provide insight into food production skills,	Grade level: 9 -10 HS Credit(s): 1
various levels of industry management, and hospitality skills. This is an entry level course for students interested in pursuing a career in the food service industry. This course is offered as a classroom and laboratory-based course.	
Instructional Material: Introduction to Culinary Arts, 3e, Pearson Education	College Hour(s): NA
<u>Prerequisite(s)</u> : Principles of Hospitality and Tourism Offered only at: North Side, Polytechnic, South Hills, Trimble Tech, and OD Wyatt	Tier III
HONORS INTRODUCTION TO CULINARY ARTS AB (INCULART AB)	HTH22400AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13022550 Grade level: 9 -10
Instructional Material: Introduction to Culinary Arts, 3e Student Edition, Pearson Education, Prerequisite(s): Principles of Hospitality and Tourism	HS Credit(s): 1 College Hour(s): NA
Offered only at: North Side, Polytechnic, South Hills, Trimble Tech, and OD Wyatt	Tier II
CULINARY ARTS/D AB (CULARTS AB)	HT22602AB
Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking. Through both classroom and laboratory experience provided in an industrial kitchen laboratory in this double-	13022600 Grade level: 11 - 12
period class, students develop skills for employment in the area of food production, management, and services.	HS Credit(s): 2
The course stresses operation and management of food service establishments, marketing strategies, quality food production skills, food presentation and service techniques. In this course, students will have the opportunity	
to take the ServSafe Food Safety Certification Exam that can count as a performance acknowledgement for their Business and Industry Endorsement. Students are encouraged to participate in extended learning experiences	
such as career and technical student organizations and other leadership or extracurricular organizations. Instructional Material: The Culinary Professional, 3rd Edition, Goodheart-Willcox Co.	College Harry-1: NA
<u>Prerequisite(s)</u> : Introduction to Culinary Arts Offered only at: North Side, Polytechnic, South Hills, Trimble Tech, and OD Wyatt	College Hour(s): NA Tier III
HONORS CULINARY ARTS/D AB (CULARTS AB/H)	HTH22602AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13022600
activities related to the program of study.	Grade level: 11 – 12
Instructional Material: The Culinary Professional, 3rd Edition, Goodheart-Willcox Co. Prerequisite(s): Principles of Hospitality and Tourism and Restaurant Management	HS Credit(s): 2 College Hour(s): NA
Offered only at: North Side, Polytechnic, South Hills, Trimble Tech, and OD Wyatt	Tier II
ADVANCED CULINARY ARTS/D AB (ADVCULARTS AB) Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by in depth instruction	HT22603AB
Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by in-depth instruction of industry-driven standards in order to prepare students for success in higher education, certifications, and/or immediate employment. Students can pursue a ServSafe certification, a Texas Culinary Specialist Certification, or	13022650 Grade level: 12 HS Credit(s): 2
any other appropriate industry certification to count toward their performance acknowledgement for their	

roroquisito(s): Culinany Arts I	College Hour(s): NA
rerequisite(s): Culinary Arts I Offered only at: North Side, Polytechnic, South Hills, Trimble Tech, and OD Wyatt	Tier III
HONORS ADVANCED CULINARY ARTS/D AB (ADVCULARTS AB/H)	HTH22603AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13022650
ctivities related to the program of study.	Grade level: 12
nstructional Material: ICEV Family and Consumer Sciences Site, CEV Multimedia Ltd.	HS Credit(s): 2
r <u>erequisite(s)</u> : Culinary Arts I	College Hour(s): NA
Offered only at: North Side, Polytechnic, South Hills, Trimble Tech, and OD Wyatt	Tier II
PAID PRACTICUM IN CULINARY ARTS AB/EXTENDED (EXPRCUL1 AB)	HT22710AB
This practicum course is a paid capstone experience for students participating in a coherent sequence of career and technical education courses within their designated program of study. This course continues in-depth experiences in food service and management. This classroom part of this course should be taught in an industrial itchen laboratory so students can explore principles of entrepreneurship and develop the professional skills needed for careers such as chef, hotel/ motel management, and food service entrepreneur. A student must be a minimum age of 16 and hold valid work documentation, such as a Social Security card, to enroll in any of the paid practicum learning experiences. In order to receive course credit, this course requires that students make a full ear commitment to this course and their employment, must have related classroom instruction that averages one class period per week during the school year, are employed for fifteen (15) hours per week (or average of 0 hours across two weeks) at an approved site within ten days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students an be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize	13022705 Grade level: 12 HS Credit(s): 3
tudents' projected graduation plan.	
nstructional Material: Contact Career and Technical Education for related materials	College Hour(s): NA
rerequisite(s): Advanced Culinary Arts	Tier III
Offered only at: North Side, Polytechnic, South Hills, Trimble Tech, and OD Wyatt	
ONORS PAID PRACTICUM IN CULINARY ARTS AB/EXTENDED (EXPRCUL1 AB/H)	HTH22710AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and ctivities related to the program of study.	13022705 Grade level: 12
nstructional Material: Contact Career and Technical Education for related materials	HS Credit(s): 3
Prerequisite(s): Advanced Culinary Arts	College Hour(s): NA
Offered only at: North Side, Polytechnic, South Hills, Trimble Tech, and OD Wyatt	Tier II
OOD SCIENCE AB (FOODSCI AB)	HT23002AB
n Food Science students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. Upon completion of this course, students will be prepared to ake the ServSafe Food Safety Certification Exam. The course should be taught in a kitchen laboratory with some industrial equipment to provide the students with real-world experience in commercial foods.	13023000 Grade level: 11 - 12 HS Credit(s): 1
nstructional Material: Principles of Food Science, Goodheart-Willcox Co. ISBN#: 9781683112365	College Hour(s): NA
rerequisite(s): Three units of science, including chemistry and biology. and Culinary Arts I or Hospitality Services	Tier III
Offered only at: North Side, Polytechnic, South Hills, Trimble Tech, and OD Wyatt	
HONORS FOOD SCIENCE AB (FOODSCI AB/H)	HTH23002AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13023000
ctivities related to the program of study.	Grade level: 11 - 12
nstructional Material: Principles of Food Science, Goodheart-Willcox Co. ISBN#: 9781683112365 Prerequisite(s): Three units of science, including chemistry and biology. and Culinary Arts I or Hospitality Services Offered only at: North Side, Polytechnic, South Hills, Trimble Tech, and OD Wyatt	HS Credit(s): 1 College Hour(s): NA Tier II
DUAL CREDIT CULINARY ARTS A DC (CULARTS A DC)	HTD22602A
CC Course: (CHEF 1305) Sanitation & Safety	
Courses may change depending on availability	1202262
n this dual credit 1-semester course, students will engage in the study of personal cleanliness; sanitary practices in food preparation; causes, investigation, control of illnesses caused by food contamination (Hazard Analysis critical Control Points); and workplace safety standards. Students will identify causes and prevention procedures for food-borne illness, intoxication, and infection; discuss personal hygiene and safety food handling procedures; describe food storage and refrigeration techniques; explain sanitation of dishes, equipment and itchens including cleaning material, garbage, and refuse disposal; discuss Occupational Safety and Health administration (OSHA) requirements	13022600 Grade level: 11 - 12 HS Credit(s): 1
nd workplace safety programs. nstructional Material: ServSafe Manager, 7th Ed. (w/Access Code and myservsafelab), Prentice Hall. ISBN#: 1780134772899. Contact Career and Technical Education Department for additional related materials. 12rerequisite(s): Introduction to Culinary Arts 12CC Prerequisite(s): TSI	College Hour(s): 3 Tier I

JAL CREDIT ADVANCED CULINARY ARTS/d A DC (ADVCULARTS A DC) C Course: (RSTO 1304 + Lab) Dining Room Service *Courses may change depending on availability	HTD22603A
this dual credit 1-semester course, students will apply the principles, concepts, and systems of professional ole service. Topics include dining room organization, scheduling, and management of food service personnel, idents will identify and utilize equipment and supplies used in table service; specify the types of table service and	13022650 Grade level: 12 HS Credit(s): 1
e serving sequence for each type of service; properly prepare dining room and side station for service; explain e relationship of wait staff to customers and their perception of the establishment; and employ principles of ing room organization, scheduling, and management of food service personnel.	ris cican(s).
tructional Material: Remarkable Service, CIA., John Wiley & Sons. ISBN#: 9781118116876	College Hour(s): 3
ntact Career and Technical Education Department for additional related materials.	Tier I
requisite(s): Dual Credit Culinary Arts A DC C Prerequisite(s): TSI	

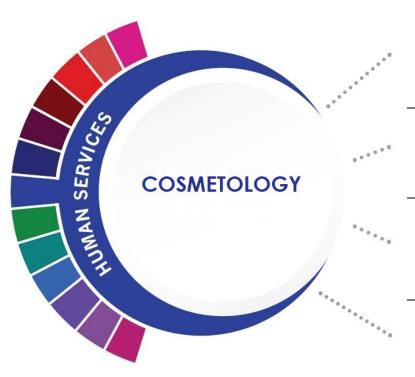
Course taught by an approved embedded instructor.
Offered only at: North Side



Human Services

Cosmetology

To reach CTE Completer status, students complete and pass three or more 19 TAC Chapter 126 (C), 127 (B), or 130 CTE courses for four or more credits within a program of study, including at least one level three or level four course from the same program of study.



Courses

9th Principles of Cosmetology Design and Color Theory:

HV25100 AB OR HVH25100 AB

10th Introduction to Cosmetology:

HV25102 AB OR HVH25102 AB

Cosmetology I/Cosmetology I Lab/t2:

HV25210 AB OR HVH25210 AB

11th O

Cosmetology I/d²:

HV25202 AB OR HVH25202 AB

Cosmetology II/Cosmetology II Lab/t1:

HV25310 AB OR HVH25310 AB

12th OR

Cosmetology II/d1:

HV25302 AB OR HVH25302 AB

Enrichment Courses:

• Microbiology and Safety for Cosmetology: HV25402 AB OR HVH25402 AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Cosmetology Operator License¹
- Not Counted towards Performance Acknowledgment: OSHA 10-Hour General Industry Certification²

Available At:

- Dunbar HS
- North Side HS
- Trimble Technical HS

Cosmetology is an extended course of study that enables students to become licensed cosmetologists through Texas Department of Licensing and Regulation (TDLR). Cosmetology is one program of study that allows students to earn an industry certificate that launches them into a professional career immediately, yet also specifies rigorous core curricula that prepares the student to be successful in a post-secondary learning environment



The Human Services Career Cluster® focuses on preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care services, and consumer services.

Successful completion of the Cosmetology and Personal Care Services program of study will fulfill requirements of the Public Service Endorsement. Regionally approved Program of Study. Revised – July 2020

COURSE DESCRIPTIONS FOR HUMAN SERVICES CLASSES

In Principles of Cosmetology Design and Color Theory, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Students will attain academic skills and knowledge as well as technical knowledge and skills related to cosmetology design and color theory. Students will develop knowledge and skills regarding various cosmetology design elements such as form, lines, texture, structure and illusion or depth as they relate to the art of cosmetology. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the TDLR requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included. Instructional Material: Milady Standard Cosmetology; Cengage Prerequisite(s): Registration fee \$25 that is payable to the Texas Cosmetology Commission (must be paid the fireweek of school). The \$25 fee registers students with the Texas, Cosmetology Commission to allow the clock however the payable to the Texas and Tairothe Texas.	Grade level: 9 - 10 HS Credit(s): 1 ge
care, nail care, and skin care and meets the TDLR requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included. Instructional Material: Milady Standard Cosmetology; Cengage Pererequisite(s): Registration fee \$25 that is payable to the Texas Cosmetology Commission (must be paid the firweek of school). The \$25 fee registers students with the Texas, Cosmetology Commission to allow the clock hours.	n.
Prerequisite(s): Registration fee \$25 that is payable to the Texas Cosmetology Commission (must be paid the fin week of school). The \$25 fee registers students with the Texas, Cosmetology Commission to allow the clock how	College Hour(s): NA
Offered only at: Dunbar, North Side, and Trimble Tech	st Tier III
HONORS PRINCIPLES OF COSMETOLOGY DESIGN AND COLOR THEORY AB (PRINCDCT AB/H) HVH25100AB
In addition to the regular course curriculum, students in the honors course will complete additional projects an	
activities related to the program of study.	Grade level: 9 – 10
Instructional Material: Milady Standard Cosmetology, Cengage	HS Credit(s): 0.5
Prerequisite(s): Registration fee \$25 that is payable to the Texas Cosmetology Commission (must be paid the fir	, ,
week of school). The \$25 fee registers students with the Texas, Cosmetology Commission to allow the clock how Offered only at: Dunbar, North Side, and Trimble Tech	urs Tier II
INTRODUCTION TO COSMETOLOGY AB (INTCOSMO AB)	HV25102AB
This course introduces skills that may lead to a lifetime career in cosmetology. Students explore areas such as	13025100
bacteriology, sterilization and sanitation, hair styling, manicuring, shampooing and the principles of hair cutting hair styling, hair coloring, skin care, and facial makeup. The student researches careers in the personal care servic industry. To prepare for success, students must have skills relative to this industry, as well as academic knowled and styles. Students may begin to earn clock hours needed to prepare for the Texas Department of Licensing and styles.	es HS Credit(s): 1 ge
Regulation Examination.	C-11 11(-), NA
Instructional Material: Milady Standard Cosmetology, Cengage Prerequisite(s): Principles of Cosmetology Design and Color Theory or Principles of Business, Marketing, and	College Hour(s): NA Tier III
Finance	riei iii
Offered only at: Dunbar, North Side, and Trimble Tech	
HONORS INTRODUCTION TO COSMETOLOGY AB (INTCOSMO AB/H)	HVH25102AB
In addition to the regular course curriculum, students in the honors course will complete additional projects an	
activities related to the program of study.	Grade level: 10
Instructional Material: Milady Standard Cosmetology; Cengage	HS Credit(s): 1
Prerequisite(s): Principles of Cosmetology Design and Color Theory or Principles of Business, Marketing, and Finance	College Hour(s): NA Tier II
Offered only at: Dunbar, North Side, and Trimble Tech	LIV/25202AD
COSMETOLOGY I/D AB (COSMET1 AB)	HV25202AB
The Cosmetology I course provides students classroom and lab time to develop proficient and mastery level cosmetology skills and techniques as required by Texas Department of Licensing and Regulation licensing	13025200 Grade level: 11
standards. Students will be expected to demonstrate mastery in conducting the skills and techniques learned	HS Credit(s): 2
with little to no guidance. The course meets licensing and regulation requirements for licensure upon passing the Texas Department of Licensing and Regulation Examination. Analysis of career opportunities, requirements,	
expectations, and development of workplace skills is included.	
	College Hour(s): NA
expectations, and development of workplace skills is included. Instructional Material: Milady Standard Cosmetology, Cengage Prerequisite(s): Introduction to Cosmetology	College Hour(s): NA Tier III
expectations, and development of workplace skills is included. Instructional Material: Milady Standard Cosmetology; Cengage Prerequisite(s): Introduction to Cosmetology Offered only at: Dunbar, North Side, and Trimble Tech	Tier III
expectations, and development of workplace skills is included. Instructional Material: Milady Standard Cosmetology, Cengage Prerequisite(s): Introduction to Cosmetology Offered only at: Dunbar, North Side, and Trimble Tech HONORS COSMETOLOGY I/D AB (COSMET1 AB/H)	Tier III HVH25202AB
expectations, and development of workplace skills is included. Instructional Material: Milady Standard Cosmetology, Cengage Prerequisite(s): Introduction to Cosmetology Offered only at: Dunbar, North Side, and Trimble Tech HONORS COSMETOLOGY I/D AB (COSMET1 AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects an	Tier III HVH25202AB d 13025210
expectations, and development of workplace skills is included. Instructional Material: Milady Standard Cosmetology; Cengage Prerequisite(s): Introduction to Cosmetology Offered only at: Dunbar, North Side, and Trimble Tech HONORS COSMETOLOGY I/D AB (COSMET1 AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects an activities related to the program of study.	Tier III HVH25202AB d 13025210 Grade level: 11
expectations, and development of workplace skills is included. Instructional Material: Milady Standard Cosmetology; Cengage Prerequisite(s): Introduction to Cosmetology Offered only at: Dunbar, North Side, and Trimble Tech HONORS COSMETOLOGY I/D AB (COSMET1 AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects an activities related to the program of study. Instructional Material: Milady Standard Cosmetology; Cengage	Tier III HVH25202AB d 13025210 Grade level: 11 HS Credit(s): 2
expectations, and development of workplace skills is included. Instructional Material: Milady Standard Cosmetology; Cengage Prerequisite(s): Introduction to Cosmetology Offered only at: Dunbar, North Side, and Trimble Tech HONORS COSMETOLOGY I/D AB (COSMET1 AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects an activities related to the program of study. Instructional Material: Milady Standard Cosmetology; Cengage Prerequisite(s): Introduction to Cosmetology	HVH25202AB d 13025210 Grade level: 11 HS Credit(s): 2 College Hour(s): NA
expectations, and development of workplace skills is included. Instructional Material: Milady Standard Cosmetology; Cengage Prerequisite(s): Introduction to Cosmetology Offered only at: Dunbar, North Side, and Trimble Tech HONORS COSMETOLOGY I/D AB (COSMET1 AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects an activities related to the program of study. Instructional Material: Milady Standard Cosmetology; Cengage Prerequisite(s): Introduction to Cosmetology Offered only at: Dunbar, North Side, and Trimble Tech	Tier III HVH25202AB d 13025210 Grade level: 11 HS Credit(s): 2 College Hour(s): NA Tier II
expectations, and development of workplace skills is included. Instructional Material: Milady Standard Cosmetology; Cengage Prerequisite(s): Introduction to Cosmetology Offered only at: Dunbar, North Side, and Trimble Tech HONORS COSMETOLOGY I/D AB (COSMET1 AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects an activities related to the program of study. Instructional Material: Milady Standard Cosmetology; Cengage Prerequisite(s): Introduction to Cosmetology Offered only at: Dunbar, North Side, and Trimble Tech COSMETOLOGY I/ COSMETOLOGY I LAB/t AB (COSLAB1 AB)	Tier III HVH25202AB d 13025210 Grade level: 11 HS Credit(s): 2 College Hour(s): NA Tier II HV25210AB
expectations, and development of workplace skills is included. Instructional Material: Milady Standard Cosmetology, Cengage Prerequisite(s): Introduction to Cosmetology Offered only at: Dunbar, North Side, and Trimble Tech HONORS COSMETOLOGY I/D AB (COSMET1 AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects an activities related to the program of study. Instructional Material: Milady Standard Cosmetology, Cengage Prerequisite(s): Introduction to Cosmetology Offered only at: Dunbar, North Side, and Trimble Tech COSMETOLOGY I/ COSMETOLOGY I LAB/t AB (COSLAB1 AB) Instructional Material: Milady Standard Cosmetology, Cengage Prerequisite(s): Introduction to Cosmetology	Tier III HVH25202AB d 13025210 Grade level: 11 HS Credit(s): 2 College Hour(s): NA Tier II
expectations, and development of workplace skills is included. Instructional Material: Milady Standard Cosmetology; Cengage Prerequisite(s): Introduction to Cosmetology Offered only at: Dunbar, North Side, and Trimble Tech HONORS COSMETOLOGY I/D AB (COSMET1 AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects an activities related to the program of study. Instructional Material: Milady Standard Cosmetology; Cengage Prerequisite(s): Introduction to Cosmetology Offered only at: Dunbar, North Side, and Trimble Tech COSMETOLOGY I/ COSMETOLOGY I LAB/t AB (COSLAB1 AB) Instructional Material: Milady Standard Cosmetology; Cengage Prerequisite(s): Introduction to Cosmetology Offered only at: Dunbar, North Side, and Trimble Tech Offered only at: Dunbar, North Side, and Trimble Tech	Tier III HVH25202AB d 13025210 Grade level: 11 HS Credit(s): 2 College Hour(s): NA Tier II HV25210AB College Hour(s): NA Tier III
expectations, and development of workplace skills is included. Instructional Material: Milady Standard Cosmetology, Cengage Prerequisite(s): Introduction to Cosmetology Offered only at: Dunbar, North Side, and Trimble Tech HONORS COSMETOLOGY I/D AB (COSMET1 AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects an activities related to the program of study. Instructional Material: Milady Standard Cosmetology, Cengage Prerequisite(s): Introduction to Cosmetology Offered only at: Dunbar, North Side, and Trimble Tech COSMETOLOGY I/ COSMETOLOGY I LAB/t AB (COSLAB1 AB) Instructional Material: Milady Standard Cosmetology, Cengage Prerequisite(s): Introduction to Cosmetology	Tier III HVH25202AB d 13025210 Grade level: 11 HS Credit(s): 2 College Hour(s): NA Tier II HV25210AB College Hour(s): NA Tier III HVH25210AB

Instructional Material: Milady Standard Cosmetology, Cengage	HS Credit(s): 3
Prerequisite(s): Introduction to Cosmetology	College Hour(s): NA
Offered only at: Dunbar, North Side, and Trimble Tech	Tier II
MICROBIOLOGY AND SAFETY FOR COSMETOLOGY CAREERS AB (MICROS AB)	HV25402AB
Students who enroll in Microbiology and Safety for Cosmetology Careers will receive instruction in the microbial	N1302540
world, studying topics such as pathogenic and non-pathogenic microorganisms, identification of	Grade level: 11
microorganisms, drug resistant organisms, and emerging diseases. Additionally, students will explore and apply	HS Credit(s): 1
concepts as they apply to the safety and health of individuals pursuing a career in cosmetology services. Students may be provided with an opportunity to attain the Occupational Safety and Health Administration	
(OSHA) 10-hour safety training certification. This course also includes an opportunity for students to solve an in-	
depth analytical problem concerning occupational health and safety in cosmetology. This course is a co-requisite	
to Cosmetology I.	
nstructional Material: Milady Standard Cosmetology; Cengage	College Hour(s): NA
Prerequisite(s): Introduction to Cosmetology	Tier III
<u>Co-requisite</u> : Cosmetology I	
Offered only at: Dunbar, North Side, and Trimble Tech	
HONORS MICROBIOLOGY AND SAFETY FOR COSMETOLOGY CAREERS AB (MICROS AB/H)	HVH25402AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	N1302540
activities related to the program of study.	Grade level: 11
nstructional Material: Contact Career and Technical Education for related materials	HS Credit(s): 1
Prerequisite(s): Introduction to Cosmetology	College Hour(s): NA
<u>Co-requisite</u> : Cosmetology I	Tier II
Offered only at: Dunbar, North Side, and Trimble Tech	
COSMETOLOGY II/D AB (COSMET2 AB)	HV25302AB
The Cosmetology II course provides students classroom and lab time to develop proficient and mastery level	13025300
cosmetology skills and techniques as required by Texas Department of Licensing and Regulation licensing	Grade level: 12
standards. Students will be expected to demonstrate mastery in conducting the skills and techniques learned in	HS Credit(s): 2
Cosmetology I with little to no guidance. The course meets licensing and regulation requirements for licensure upon passing the Texas Department of Licensing and Regulation Examination. Analysis of career opportunities,	
requirements, expectations, and development of workplace skills are included.	
nstructional Material: Milady Standard Cosmetology; Cengage	College Hour(s): NA
Prerequisite(s): Cosmetology I	Tier III
Offered only at: Dunbar, North Side, and Trimble Tech	
HONORS COSMETOLOGY II/D AB (COSMET2 AB/H)	HVH25302AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13025300
ictivities related to the program of study.	Grade level: 12
nstructional Material: Milady Standard Cosmetology; Cengage	HS Credit(s): 2
Prerequisite(s): Cosmetology I	College Hour(s): NA
Offered only at: Dunbar, North Side, and Trimble Tech	Tier II
COSMETOLOGY II/COSMETOLOGY II LAB/t AB (COSLAB2 AB)	HV25310AB
he Cosmetology II Lab course provides students additional classroom and lab time to develop proficient and	13025310
nastery level cosmetology skills and techniques as required by Texas Department of Licensing and Regulation	Grade level: 12
icensing standards. Students will be expected to demonstrate mastery in conducting the skills and techniques	HS Credit(s): 3
earned in Cosmetology I with little to no guidance. The course meets licensing and regulation requirements for	
censure upon passing the Texas Department of Licensing and Regulation Examination. Analysis of career	
pportunities, requirements, expectations, and development of workplace skills are included.	
nstructional Material: Milady Standard Cosmetology, Cengage;	College Hour(s): NA
Prerequisite(s): Cosmetology I	Tier III
Offered only at: Dunbar, North Side, Trimble Tech	10/1000/000
HONORS COSMETOLOGY II/COSMETOLOGY II LAB/t AB (COSLAB2 AB)	HVH25310AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13025310
activities related to the program of study.	Grade level: 12
nstructional Material: Milady Standard Cosmetology; Cengage	HS Credit(s): 3
<u>Prerequisite(s)</u> : Cosmetology I	College Hour(s): NA
Offered only at: Dunbar, North Side, Trimble Tech	Tier II



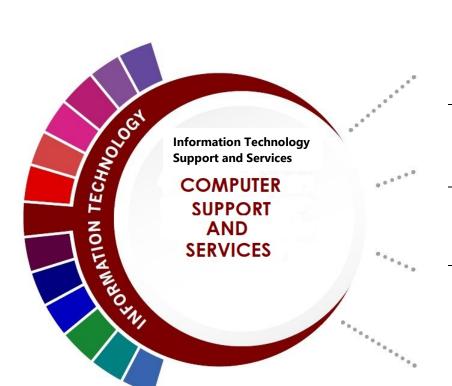
Information Technology

Information Technology Support and Services

Networking Systems

Cybersecurity

Programming and Software Development



9th **Principles of Information Technology:**

IT27201 AB OR ITH27201 AB

Computer Maintenance¹: 10th

IT27302 AB OR ITH27302 AB

Computer Technician Practicum/d^{2,4}: 11th

IT27502 AB OR ITH27502 AB

Unpaid Practicum in Information Technology/d³:

IT27202 AB OR ITH27202 AB

Paid Practicum of Information Technology³:

IT27210 AB OR ITH27210 AB

Honors Project-Based Research AB³:

CPH01500 AB

Enrichment Courses:

N/A

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: CompTIA IT Fundamentals+1;
- Not Counted Towards Performance Acknowledgment: OSHA 10-Hour General Industry³

Available at:

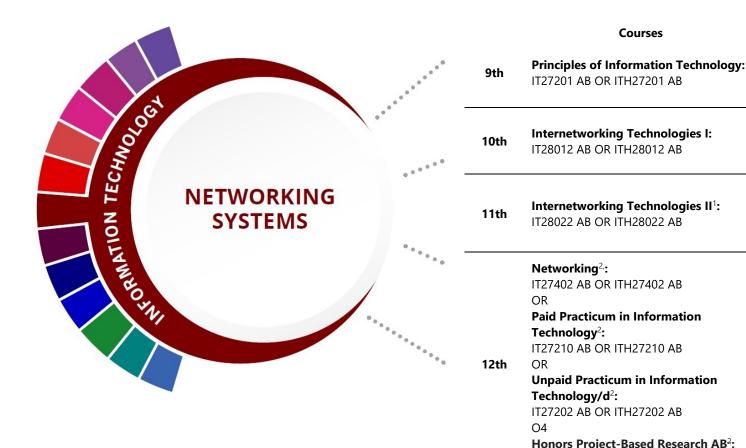
- Polytechnic HS
- Trimble Technical HS
- South Hills HS
- Western Hills HS

The Information Technology Computer Support and Services program of study explores the occupations and educational opportunities associated with administering, testing, and implementing computer databases and applying knowledge of database management systems. This program of study may also include analyzing user requirements and problems to automate or improve existing systems and review computer system capabilities. This program of study may also include exploration into the research, design, or testing of computer or computer-related equipment for commercial, industrial, military, or scientific use.



The Information Technology (IT) Career Cluster® focuses on building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services

Successful completion of the Information Technology Support and Services program of study will fulfill requirements of a Business and Industry or STEM endorsement if the math and science requirements are met. Revised - July 2020



Enrichment Courses:

N/A

Certification Options:

 Industry Certification Opportunities for Performance Acknowledgment: Cisco 100-490 RSTECH Supporting Cisco Routing and Switching Network Devices¹

CPH01500AB

Not Counted Towards Performance Acknowledgment: OSHA 10-Hour General Industry²

Available at:

• Carter-Riverside HS

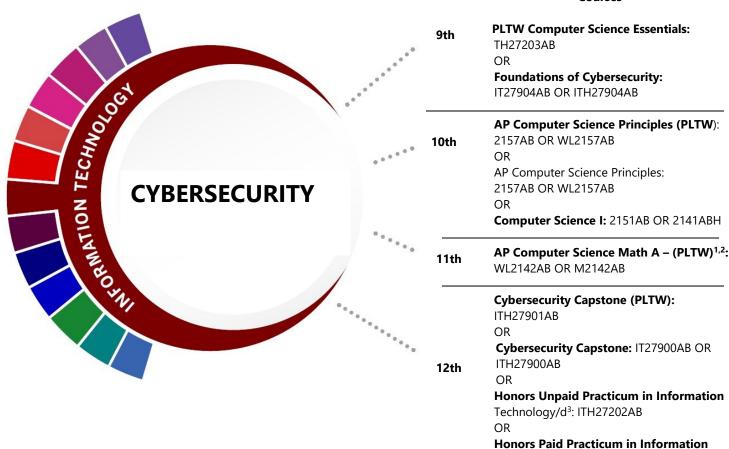
The Networking Systems program of study explores the occupations and educational opportunities associated with designing and implementing computer and information networks, such as local area networks (LAN), wide area networks (WAN), intranets, extranets, and other data communications networks. This program of study may also include exploration into analyzing science, engineering, and other data processing problems to implement and improve computer systems.



The Information Technology (IT) Career Cluster® focuses on building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services

Successful completion of the Networking Systems program of study will fulfill requirements of a Business and Industry or STEM endorsement if the math and science requirements are met. Revised - July 2020

Technology³: ITH27210AB



Enrichment Courses:

N/A

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Information Technology Specialist: Java¹; Information Technology Specialist: JavaScript²
- Not Counted Towards Performance Acknowledgment: OSHA 10-Hour General Industry³

Available At:

- Trimble Technical HS
- World Languages Institute

The Cybersecurity program of study includes the occupations and educational opportunities related to planning, implementing, upgrading, or monitoring security measure for the protection of computer networks and information. This program of study may also include exploration into responding to computer security breaches and virus and administering network security measures.



The Information Technology (IT) Career Cluster® focuses on building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services

Successful completion of the Cybersecurity program of study will fulfill requirements of a Business and Industry or STEM endorsement if the math and science requirements are met. Revised - July 2020

9th **PROGRAMMING** AND SOFTWARE **DEVELOPMENT: COMPUTER SCIENCE**

Fundamentals of Computer Science

2140AB OR 2150AB

Computer Science I: 2151AB OR 2141ABH

Computer Science II: 2153AB OR 2143ABH 10th

AP Computer Science Principles:

2157AB

AP Computer Science Principles:

2157AB

OR

11th

12th

AP Computer Science A (MATH01:

2142AB OR WL2142AB OR M2142AB

AP Computer Science A (MATH)¹:

2142AB OR WL2142AB OR M2142AB

OR

Computer Science III: 2155AB OR 2145AB

Independent Study in Technology Applications: 2144AB OR 2146AB OR

2148AB

Enrichment Courses:

• Independent Study in Technology Applications: 2144AB, 2146AB, 2148AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Information Technology Specialist: Java¹; Information Technology Specialist: JavaScript²
- Not Counted Towards Performance Acknowledgment: N/A

Available At:

- Arlington Heights HS
- I.M. Terrell Academy HS
- Paschal HS

Trimble Technical HS

The Programming and Software Development program of study explores the occupations and education opportunities associated with researching, designing, developing, and testing operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computer applications. This program of study may also include exploration into creating, modifying, and testing the codes, forms, and script that allow computer applications to run.



The Information Technology (IT) Career Cluster® focuses on building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services

Successful completion of the Programming and Software Development program of study will fulfill requirements of a Business and Industry or STEM endorsement if the math and science requirements are met. Revised - July 2020

COURSE DESCRIPTIONS FOR INFORMATION TECHNOLOGY CLASSES

PRINCIPLES OF INFORMATION TECHNOLOGY AB (PRINIT AB)	IT27201AB
In Principles of Information Technology, students will develop computer literacy skills to adapt to emerging	13027200
technologies used in the global marketplace. Students will implement personal and interpersonal skills to prepare	Grade level: 9 - 10
for a rapidly evolving workplace environment. Students will enhance reading, writing, computing,	HS Credit(s): 1
communication, and reasoning skills and apply them to the information technology environment.	Callege Have(s), NA
<u>Instructional Material</u> : <i>Principles of Information Technology – Texas Student Edition</i> , Pearson Education, Inc., Prerequisite(s): None	College Hour(s): NA Tier III
Offered only at: Carter-Riverside and World Languages Institute	Hei III
HONORS PRINCIPLES OF INFORMATION TECHNOLOGY AB (PRINIT AB/H)	ITH27201AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13027200
activities related to the program of study.	Grade level: 9 - 10
Instructional Material: Principles of Information Technology – Texas Student Edition, Pearson Education, Inc.	HS Credit(s): 1
<u>Prerequisite(s)</u> : None	College Hour(s): NA
Offered only at: Carter-Riverside and World Languages Institute	Tier II
UNPAID PRACTICUM IN INFORMATION TECHNOLOGY/D (PRACIT1 AB)	IT27202AB
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of	13028000
career and technical education courses within the designated program of study. In the Practicum in Information	Grade level: 12
Technology, students will gain advanced knowledge and skills in the application, design, production,	HS Credit(s): 2
implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge and	
skills in the proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Practicum capstone experiences can occur in a variety of	
locations appropriate to the nature and level of experiences such as independent study, assistantships,	
mentorships, or laboratories. The various in-class capstone experiences include students working in a simulated	
environment, running an enterprise, or be involved in program-specific local projects the school has approved	
for this class. Additional capstone experiences also include students being selected to be a part of a work-	
based experience or industry training off-site, outside of school.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Internetworking Technologies I, Computer Science II or AP Computer Science	Tier III
Offered only at: Trimble Tech and Carter Riverside	IT. 127202 A D
HONORS UNPAID PRACTICUM IN INFORMATION TECHNOLOGY/D (PRACIT1 AB/H)	ITH27202AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13028000
activities related to the program of study.	Grade level: 12
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 2
<u>Prerequisite(s)</u> : Internetworking Technologies I, Computer Science II or AP Computer Science Offered only at: Trimble Tech and Carter Riverside	College Hour(s): NA Tier II
PAID PRACTICUM IN INFORMATION TECHNOLOGY AB/EXTENDED (EXPRIT1 AB)	IT27210AB
This practicum course is a paid capstone experience for students participating in a coherent sequence of career	13028005
and technical education courses within their designated program of study. In this course, students will gain	Grade level: 12
advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation,	HS Credit(s): 3
and assessment of products, services, and systems. Knowledge and skills in the proper use of analytical skills	• • • • • • • • • • • • • • • • • • • •
and application of IT concepts and standards are essential to prepare students for success in a technology-	
driven society. Critical thinking, IT experience, and product development may be conducted in a classroom	
setting along with paid employment in the IT industry. A student must be a minimum age of 16 and hold valid	
work documentation, such as a Social Security card, to enroll in any of the paid practicum learning experiences.	
In order to receive course credit, this course requires that students make a full year commitment to this course	
and their employment, must have related classroom instruction that averages one class period per week during	
the school year, are employed for <u>fifteen (15) hours per week</u> (or average of 30 hours across two weeks) at an approved site within ten days of the beginning of the course. Work hours can be included during the school	
day or outside of school hours. It work hours are during the school day students can be scheduled for work	
release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation	
release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan.	College Hour(s): NA
release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. <u>Instructional Material</u> : Contact Career and Technical Education Department for related materials	College Hour(s): NA Tier III
release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. <u>Instructional Material</u> : Contact Career and Technical Education Department for related materials <u>Prerequisite(s)</u> : Internetworking Technologies I, Computer Science II or AP Computer Science A	_
release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Internetworking Technologies I, Computer Science II or AP Computer Science A Offered only at: Trimble Tech and Carter Riverside	_
release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Internetworking Technologies I, Computer Science II or AP Computer Science A Offered only at: Trimble Tech and Carter Riverside HONORS PAID PRACTICUM IN INFORMATION TECHNOLOGY AB/EXTENDED (EXPRIT1 AB/H)	Tier III
day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Internetworking Technologies I, Computer Science II or AP Computer Science A Offered only at: Trimble Tech and Carter Riverside HONORS PAID PRACTICUM IN INFORMATION TECHNOLOGY AB/EXTENDED (EXPRIT1 AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	Tier III ITH27210AB
release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Internetworking Technologies I, Computer Science II or AP Computer Science A Offered only at: Trimble Tech and Carter Riverside HONORS PAID PRACTICUM IN INFORMATION TECHNOLOGY AB/EXTENDED (EXPRIT1 AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and	Tier III ITH27210AB 13028005
release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Internetworking Technologies I, Computer Science II or AP Computer Science A Offered only at: Trimble Tech and Carter Riverside HONORS PAID PRACTICUM IN INFORMATION TECHNOLOGY AB/EXTENDED (EXPRIT1 AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	Tier III ITH27210AB 13028005 Grade level: 12
release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Internetworking Technologies I, Computer Science II or AP Computer Science A Differed only at: Trimble Tech and Carter Riverside HONORS PAID PRACTICUM IN INFORMATION TECHNOLOGY AB/EXTENDED (EXPRIT1 AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials	Tier III ITH27210AB 13028005 Grade level: 12 HS Credit(s): 3

NETWORKING AB (NTWRK AB)	IT27402AB
This course provides a basic introduction to telecommunications and the operational and technical aspects of	13027400
network systems. Students explore the various types and uses of networks and online services. Students will	Grade level: 10 - 11
learn to install, configure and troubleshoot basic networking hardware, protocols and services. To prepare for	HS Credit(s): 1
success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. This course prepares students for the Computer Technology Industry Association	
(CompTIA©) A+ Exam.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Principles of Information Technology	Tier III
Offered only at: Carter Riverside and Eastern Hills	rici iii
HONORS NETWORKING AB (NTWRK AB/H)	ITH27402AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13027400
activities related to the program of study.	Grade level: 10 - 11
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 1
Prerequisite(s): Principles of Information Technology	College Hour(s): NA
Offered only at: Carter Riverside and Eastern Hills	Tier II
INTERNETWORKING TECHNOLOGIES I AB (INTNET1 AB)	IT28012AB
Using a lab setting that corresponds to the workplace, students design local and wide-area networks. Students	N1302803
focus on network fundamentals, router theory, router technologies, network design, and network management.	Grade level: 11 - 12
Students begin preparation for CISCO industry certification. In addition to the regular course curriculum,	HS Credit(s): 1
students in the honors course will complete additional projects and activities related to the program of study.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
<u>Prerequisite(s)</u> : Principles of Information Technology	Tier III
Teacher must be CISCO certified.	
Offered only at: Carter Riverside	
HONORS INTERNETWORKING TECHNOLOGIES I AB (INTNET1 AB/H)	ITH28012AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	N1302803
activities related to the program of study.	Grade level: 11 - 12
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 1
Prerequisite(s): Principles of Information Technology	College Hour(s): NA
Teacher must be CISCO certified.	Tier II
Offered only at: Carter Riverside	
INTERNETWORKING TECHNOLOGIES II AB (INTNET2 AB)	IT28022AB
This high-tech learning environment provides students the knowledge and experience to enter the workforce	N1302804
and/or further their education and training in the computer-networking field. Students work in a lab to prepare	Grade level: 12
for CISCO industry certification. Teacher must be CISCO certified. In addition to the regular course curriculum,	HS Credit(s): 1
students in the honors course will complete additional projects and activities related to the program of study.	<u> </u>
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Internetworking Technologies I	Tier III
Teacher must be CISCO certified. Offered only at: Carter Riverside	
HONORS INTERNETWORKING TECHNOLOGIES II AB (INTNET2 AB/H)	ITH28022AB
This high-tech learning environment provides students the knowledge and experience to enter the workforce	N1302804
and/or further their education and training in the computer-networking field. Students work in a lab to prepare	Grade level: 12
for CISCO industry certification. Teacher must be CISCO certified. In addition to the regular course curriculum,	HS Credit(s): 1
students in the honors course will complete additional projects and activities related to the program of study.	`,
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
<u>Prerequisite(s):</u> Internetworking Technologies I	Tier II
Teacher must be CISCO certified.	
Offered only at: Carter Riverside	
COMPUTER MAINTENANCE AB (COMPMTN AB)	IT27302AB
In Computer Maintenance, students will acquire knowledge of computer maintenance and creating appropriate	13027300
documentation. Students will analyze the social responsibility of business and industry regarding the significant	Grade level: 10
issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as related	HS Credit(s): 1
to computer maintenance. Students will apply technical skills to address the IT industry and emerging	
technologies.	
	College Hour(s): NA
Prerequisite(s): Principles of Information Technology	Tier III
<u>Prerequisite(s)</u> : Principles of Information Technology Offered only at: Eastern Hills, Polytechnic, South Hills, Trimble Tech and Western Hills	
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Principles of Information Technology Offered only at: Eastern Hills, Polytechnic, South Hills, Trimble Tech and Western Hills HONORS COMPUTER MAINTENANCE AB/H (COMPMTN AB/H)	ITH27302AB
Prerequisite(s): Principles of Information Technology Offered only at: Eastern Hills, Polytechnic, South Hills, Trimble Tech and Western Hills HONORS COMPUTER MAINTENANCE AB/H (COMPMTN AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and	ITH27302AB 13027300
<u>Prerequisite(s)</u> : Principles of Information Technology Offered only at: Eastern Hills, Polytechnic, South Hills, Trimble Tech and Western Hills	ITH27302AB

<u>Prerequisite(s)</u> : Principles of Information Technology Offered only at: Eastern Hills, Polytechnic, South Hills, Trimble Tech and Western Hills	HS Credit(s): 1 College Hour(s): NA Tier II
UNPAID COMPUTER TECHNICIAN PRACTICUM/d AB (COMPT1 AB)	IT27502AB
In the Computer Technician Practicum, students will gain knowledge and skills in computer technologies,	13027500
including advanced knowledge of electrical and electronic theory, computer principles, and components related	Grade level: 11
to the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce,	HS Credit(s): 2
apply, and transfer their knowledge and skills to a variety of settings and problems. Proper use of analytical skills	113 Credit(3). Z
and application of IT concepts and standards are essential to prepare students for success in a technology-driven	
society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with	
an instructor, with an industry mentor, or both.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Computer Maintenance	Tier III
Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills	
HONORS UNPAID COMPUTER TECHNICIAN PRACTICUM/d AB/H (COMPT1 AB/H)	ITH27502AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13027500
activities related to the program of study.	Grade level: 11
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 2
Prerequisite(s): Computer Maintenance	College Hour(s): NA
Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills	Tier II
UNPAID COMPUTER TECHNICIAN PRACTICUM II/d AB (COMPT2 AB)	IT27510AB
If taken a second time senior year	-
In the Computer Technician Practicum, students will gain knowledge and skills in computer technologies,	13027510
including advanced knowledge of electrical and electronic theory, computer principles, and components related	Grade level: 12
to the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce,	HS Credit(s): 2
apply, and transfer their knowledge and skills to a variety of settings and problems. Proper use of analytical skills	
and application of IT concepts and standards are essential to prepare students for success in a technology-driven	
society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with	
an instructor, with an industry mentor, or both.	
<u>Instructional Material</u> : Contact Career and Technical Education Department for related materials	College Hour(s): NA
<u>Prerequisite(s)</u> : Computer Maintenance	Tier III
Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills	
HONORS UNPAID COMPUTER TECHNICIAN PRACTICUM II d AB/H (COMPT2 AB/H)	ITH27510AB
If taken a second time senior year	
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13027510
activities related to the program of study.	Grade level: 12
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 2
<u>Prerequisite(s)</u> : Computer Maintenance	College Hour(s): NA
<u>Prerequisite(s)</u> : Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills	College Hour(s): NA Tier II
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H)	College Hour(s): NA Tier II CPH01500AB
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a	College Hour(s): NA Tier II CPH01500AB 12701500
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and	College Hour(s): NA Tier II CPH01500AB 12701500
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course.	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12 HS Credit(s): 1
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course. Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12 HS Credit(s): 1
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Specific to program focus/pathway and is the previous course in the sequence.	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12 HS Credit(s): 1
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Specific to program focus/pathway and is the previous course in the sequence. Offered at: All high school campuses	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12 HS Credit(s): 1 College Hour(s): NA Tier II
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Specific to program focus/pathway and is the previous course in the sequence. Offered at: All high school campuses FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB)	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12 HS Credit(s): 1 College Hour(s): NA Tier II
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Specific to program focus/pathway and is the previous course in the sequence. Offered at: All high school campuses FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB) In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12 HS Credit(s): 1 College Hour(s): NA Tier II IT27904AB 03580850
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Specific to program focus/pathway and is the previous course in the sequence. Offered at: All high school campuses FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB) In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12 HS Credit(s): 1 College Hour(s): NA Tier II IT27904AB 03580850 Grade level: 9
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Specific to program focus/pathway and is the previous course in the sequence. Offered at: All high school campuses FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB) In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12 HS Credit(s): 1 College Hour(s): NA Tier II IT27904AB 03580850
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Specific to program focus/pathway and is the previous course in the sequence. Offered at: All high school campuses FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB) In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12 HS Credit(s): 1 College Hour(s): NA Tier II IT27904AB 03580850 Grade level: 9
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Specific to program focus/pathway and is the previous course in the sequence. Offered at: All high school campuses FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB) In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12 HS Credit(s): 1 College Hour(s): NA Tier II IT27904AB 03580850 Grade level: 9
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Specific to program focus/pathway and is the previous course in the sequence. Offered at: All high school campuses FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB) In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study.	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12 HS Credit(s): 1 College Hour(s): NA Tier II IT27904AB 03580850 Grade level: 9 HS Credit(s): 1
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Specific to program focus/pathway and is the previous course in the sequence. Offered at: All high school campuses FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB) In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study. Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12 HS Credit(s): 1 College Hour(s): NA Tier II IT27904AB 03580850 Grade level: 9 HS Credit(s): 1
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Specific to program focus/pathway and is the previous course in the sequence. Offered at: All high school campuses FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB) In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cybersetateks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12 HS Credit(s): 1 College Hour(s): NA Tier II IT27904AB 03580850 Grade level: 9 HS Credit(s): 1
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Specific to program focus/pathway and is the previous course in the sequence. Offered at: All high school campuses FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB) In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cybersetateks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered at: Trimble Tech	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12 HS Credit(s): 1 College Hour(s): NA Tier II IT27904AB 03580850 Grade level: 9 HS Credit(s): 1 College Hour(s): NA Tier III
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Specific to program focus/pathway and is the previous course in the sequence. Offered at: All high school campuses FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB) In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered at: Trimble Tech HONORS FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB/H)	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12 HS Credit(s): 1 College Hour(s): NA Tier II IT27904AB 03580850 Grade level: 9 HS Credit(s): 1 College Hour(s): NA Tier III ITH27904AB
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Specific to program focus/pathway and is the previous course in the sequence. Offered at: All high school campuses FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB) In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered at: Trimble Tech HONORS FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12 HS Credit(s): 1 College Hour(s): NA Tier II IT27904AB 03580850 Grade level: 9 HS Credit(s): 1 College Hour(s): NA Tier III ITH27904AB 03580850
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Specific to program focus/pathway and is the previous course in the sequence. Offered at: All high school campuses FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB) In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered at: Trimble Tech HONORS FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12 HS Credit(s): 1 College Hour(s): NA Tier II IT27904AB 03580850 Grade level: 9 HS Credit(s): 1 College Hour(s): NA Tier III ITH27904AB 03580850 Grade level: 9
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Specific to program focus/pathway and is the previous course in the sequence. Offered at: All high school campuses FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB) In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered at: Trimble Tech HONORS FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program o	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12 HS Credit(s): 1 College Hour(s): NA Tier II IT27904AB 03580850 Grade level: 9 HS Credit(s): 1 College Hour(s): NA Tier III ITH27904AB 03580850 Grade level: 9 HS Credit(s): 1
Prerequisite(s): Computer Maintenance Offered only at: Polytechnic, South Hills, Trimble Tech and Western Hills HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Specific to program focus/pathway and is the previous course in the sequence. Offered at: All high school campuses FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB) In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cybersattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered at: Trimble Tech HONORS FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the p	College Hour(s): NA Tier II CPH01500AB 12701500 Grade level: 11-12 HS Credit(s): 1 College Hour(s): NA Tier II IT27904AB 03580850 Grade level: 9 HS Credit(s): 1 College Hour(s): NA Tier III ITH27904AB 03580850 Grade level: 9

COMPUTER SCIENCE I AB (TACS 1AB)	2151AB WL2151AB
Students develop a solid foundation in computer terminology and programming, binary and hexadecimal number systems, computer ethics (including copyright laws and privacy), and structured programming and programming techniques on personal computers are emphasized. Students will study and write programs utilizing the high-level languages FORTRAN, Pascal, and/ or C++. Students may be awarded one *LOTE credit (WL2151AB) or one elective credit (2151AB) for successful completion of this course.	03580200 Grade level: 9 - 12 HS Credit(s): 1
Instructional Material: Windows Programming and Java Programming, CompuScholar Prerequisite(s) (for those pursuing the course as an elective or the Computer Science sequence): None Prerequisite(s) (for those pursuing the Cybersecurity sequence): Foundations of Cybersecurity Offered at: Arlington Heights, Carter-Riverside, Dunbar, I.M. Terrell, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, and Trimble Tech. Also offered as an elective course at select high schools.	College Hour(s): NA Tier III
HONORS COMPUTER SCIENCE I AB/H (TACS 1AB/H)	2141AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	03580200 Grade level: 9 - 12
Instructional Material: Windows Programming and Java Programming, CompuScholar Prerequisite(s) (for those pursuing the Computer Science sequence): None Prerequisite(s) (for those pursuing the Cybersecurity sequence): Foundations of Cybersecurity Offered at: Arlington Heights, Carter-Riverside, Dunbar, I.M. Terrell, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, and Trimble Tech. Also offered as an elective course at select high schools.	HS Credit(s): 1 College Hour(s): NA Tier II
COMPUTER SCIENCE II AB (TACS 2AB)	2153AB *WL2153AB
Computer Science II will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of computer science through the study of technology operations, systems, and concepts. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts. Students may be awarded one *LOTE credit (WL2143 AB) or one elective credit (2143 AB) for successful completion of this course.	03580300 Grade level: 10 – 12 HS Credit(s): 1
Instructional Material: Contact Career and Technical Education Department for related materials (Python Programming, CompuScholar) Prerequisite(s): Computer Science I Offered as an elective course at select high schools.	College Hour(s): NA Tier III
HONORS COMPUTER SCIENCE II AB/H (TACS 2AB/H)	2143AB *WL2143AB
In addition to the regular course curriculum, students will complete additional projects and activities related to the program of study. Students may be awarded one *LOTE credit (WL2143 AB) or one elective credit (2143 AB) for successful completion of this course.	03580300 Grade level: 10 – 12 HS Credit(s): 1
Instructional Material: Contact Career and Technical Education Department for related materials (Python Programming, CompuScholar) Prerequisite(s): Computer Science I Offered as an elective course at select high schools.	College Hour(s): NA Tier II
AP COMPUTER SCIENCE PRINCIPLES AB (APTACS PRIN)	2157AB WL2157AB
This course introduces students to the foundational ideas of computer science, while providing exposure to computational content, computational thinking skills, creative aspects of the field and their impact on the world. Students will be provided the opportunity to investigate the innovations in other fields of computing while examining the ethical implications of new computing technologies. The course follows the College Board AP® Computer Science Principles Curriculum Framework. Students may be awarded one *LOTE credit (WL2157 AB) or one elective credit (2157 AB) for successful completion of this course.	A3580300 Grade level: 9 - 10 HS Credit(s): 1
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s) (for those pursuing the course as an elective or the Computer Science sequence): None Prerequisite(s) (for those pursuing the Cybersecurity sequence): Honors PLTW Computer Science Essentials or Foundations of Cybersecurity Offered at: Arlington Heights, Carter-Riverside, Dunbar, I.M. Terrell, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Trimble Tech, and World Languages Institute. Also offered as an elective course at select high schools.	College Hour(s): NA Tier I

CYBERSECURITY CAPSTONE AB (CYBERCAP AB)	IT27900AB
n the Cybersecurity Capstone course, students will develop the knowledge and skills needed to explore advanced	03580855
concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations	Grade level: 12
of cyberattacks, threats, and vulnerabilities. Students will develop security policies to mitigate risks. The skills	HS Credit(s): 1
obtained in this course prepare students for additional study toward industry certification. A variety of courses are	
available to students interested in the cybersecurity field. Cybersecurity Capstone may serve as a culminating	
ourse in this field of study. nstructional Material: Contact Career and Technical Education Department for related materials	Collogo Hour(s): NA
<u>Instructional Material</u> . Contact Career and Technical Education Department for related materials Prerequisite(s): Engineering Applications for Computer Science Principles	College Hour(s): NA Tier III
Offered at: Trimble Tech	Her III
HONORS CYBERSECURITY CAPSTONE AB (CYBERCAP AB/H)	ITH27900AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	03580855
activities related to the program of study.	Grade level: 12
nstructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 1
Prerequisite(s): Engineering Applications for Computer Science Principles	College Hour(s): NA
Offered at: Trimble Tech	Tier II
HONORS UNPAID PRACTICUM IN INFORMATION TECHNOLOGY/D (PRACIT1 AB/H)	ITH27202AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13028000
activities related to the program of study. See the course description for Unpaid Practicum in Information	Grade level: 12
Fechnology located in the Career and Technical Education; Information Technology section.	HS Credit(s): 2
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Engineering Applications for Computer Science Principles	Tier II
Offered at: Trimble Tech	
HONORS PAID PRACTICUM IN INFORMATION TECHNOLOGY/EXTENDED AB (EXPRIT1 AB/H)	ITH27210AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13028005
activities related to the program of study. See the course description for Paid Practicum in Information	Grade level: 12
Technology located in the Career and Technical Education; Information Technology section.	HS Credit(s): 3
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Engineering Applications for Computer Science Principles OR AP Computer Science A	Tier II
Offered at: Trimble Tech and World Languages Institute	IT. 127222 A.C.
HONORS PLTW COMPUTER SCIENCE ESSENTIALS AB (PRINIT PLTW AB/H)	ITH27203AB
Students will experience the major topics, big ideas, and computational thinking practices used by computing	13027200
professionals to solve problems and create value for others. This course will empower students to develop	Grade level: 9
computational thinking skills while building confidence that prepares them to advance to Computer Science	HS Credit(s): 1
Principles and Computer Science A. In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	
Instructional Material: Project Lead the Way materials furnished by CTE department	College Hour(s): NA
Prerequisite(s): None	Tier II
Offered at: World Languages Institute	
HONORS PLTW CYBERSECURITY CAPSTONE AB (TACYBCAP AB/H)	ITH27901AB
PLTW Cybersecurity gives students a broad exposure to the many aspects of digital and information security,	03580855
while encouraging socially responsible choices and ethical behavior. It inspires algorithmic thinking,	Grade level: 12
computational thinking, and especially, outside-the-box thinking. Students explore the many educational and	HS Credit(s): 1
career paths available to cybersecurity experts, as well as other careers that comprise the field of information	• •
security. The course contains the following units of study: Personal Security, System Security, Network Security,	
and Applied Cybersecurity. PLTW Cybersecurity is only offered as an honors course. Whether seeking a career in	
the growing field of cybersecurity or learning to defend their own personal data or a company's data, students in	
Cybersecurity establish an ethical code of conduct while learning to defend data in today's complex cyberworld.	
In addition to the regular course curriculum, students in the honors course will complete additional projects and	
	C. II
activities related to the program of study	
activities related to the program of study Instructional Material: Project Lead the Way materials furnished by CTE department	College Hour(s): NA
activities related to the program of study Instructional Material: Project Lead the Way materials furnished by CTE department Prerequisite(s): AP Computer Science A (PLTW)	Tier II
activities related to the program of study Instructional Material: Project Lead the Way materials furnished by CTE department Prerequisite(s): AP Computer Science A (PLTW) Offered only at: World Languages Institute	Tier II
activities related to the program of study nstructional Material: Project Lead the Way materials furnished by CTE department Prerequisite(s): AP Computer Science A (PLTW) Offered only at: World Languages Institute	Tier II 2142AB
activities related to the program of study nstructional Material: Project Lead the Way materials furnished by CTE department Prerequisite(s): AP Computer Science A (PLTW) Offered only at: World Languages Institute	Tier II 2142AB *WL2142AB
activities related to the program of study Instructional Material: Project Lead the Way materials furnished by CTE department Prerequisite(s): AP Computer Science A (PLTW) Offered only at: World Languages Institute AP COMPUTER SCIENCE A AB (APTACSA 1AB, APTACSAL AB, APTACSAM AB)	2142AB *WL2142AB **M2142AB
Instructional Material: Project Lead the Way materials furnished by CTE department Prerequisite(s): AP Computer Science A (PLTW) Offered only at: World Languages Institute AP COMPUTER SCIENCE A AB (APTACSA 1AB, APTACSAL AB, APTACSAM AB) AP Computer Science A is designed for qualified students in grades 10 - 12 who wish to complete the equivalent	Tier II 2142AB *WL2142AB **M2142AB A3580120,
Instructional Material: Project Lead the Way materials furnished by CTE department Prerequisite(s): AP Computer Science A (PLTW) Offered only at: World Languages Institute AP COMPUTER SCIENCE A AB (APTACSA 1AB, APTACSAL AB, APTACSAM AB) AP Computer Science A is designed for qualified students in grades 10 - 12 who wish to complete the equivalent of a college introductory course in computer science. The course will focus on programming methodology, and	Tier II 2142AB *WL2142AB **M2142AB A3580120, A3580120,
Instructional Material: Project Lead the Way materials furnished by CTE department Prerequisite(s): AP Computer Science A (PLTW) Offered only at: World Languages Institute AP COMPUTER SCIENCE A AB (APTACSA 1AB, APTACSAL AB, APTACSAM AB) AP Computer Science A is designed for qualified students in grades 10 - 12 who wish to complete the equivalent of a college introductory course in computer science. The course will focus on programming methodology, and procedural abstraction. It also includes the study of algorithms, data structures, and data abstraction, but covered	Tier II 2142AB *WL2142AB **M2142AB A3580120, A3580120, A3580110
Instructional Material: Project Lead the Way materials furnished by CTE department Prerequisite(s): AP Computer Science A (PLTW) Offered only at: World Languages Institute AP COMPUTER SCIENCE A AB (APTACSA 1AB, APTACSAL AB, APTACSAM AB) AP Computer Science A is designed for qualified students in grades 10 - 12 who wish to complete the equivalent of a college introductory course in computer science. The course will focus on programming methodology, and procedural abstraction. It also includes the study of algorithms, data structures, and data abstraction, but covered in less depth than in the Computer Science III AB course. Students must be scheduled into two of the following	Tier II 2142AB *WL2142AB **M2142AB A3580120, A3580120, A3580110 Grade level: 10 - 12
In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study Instructional Material: Project Lead the Way materials furnished by CTE department Prerequisite(s): AP Computer Science A (PLTW) Offered only at: World Languages Institute AP COMPUTER SCIENCE A AB (APTACSA 1AB, APTACSAL AB, APTACSAM AB) AP Computer Science A is designed for qualified students in grades 10 - 12 who wish to complete the equivalent of a college introductory course in computer science. The course will focus on programming methodology, and procedural abstraction. It also includes the study of algorithms, data structures, and data abstraction, but covered in less depth than in the Computer Science III AB course. Students must be scheduled into two of the following three course numbers for this course: 2142 AB for an elective credit, M2142 AB for a math credit, and WL2142 AB for a LOTE credit. Students will be awarded two credits for successful completion of this course.	Tier II 2142AB *WL2142AB **M2142AB A3580120, A3580120, A3580110
Instructional Material: Project Lead the Way materials furnished by CTE department Prerequisite(s): AP Computer Science A (PLTW) Offered only at: World Languages Institute AP COMPUTER SCIENCE A AB (APTACSA 1AB, APTACSAL AB, APTACSAM AB) AP Computer Science A is designed for qualified students in grades 10 - 12 who wish to complete the equivalent of a college introductory course in computer science. The course will focus on programming methodology, and procedural abstraction. It also includes the study of algorithms, data structures, and data abstraction, but covered in less depth than in the Computer Science III AB course. Students must be scheduled into two of the following three course numbers for this course: 2142 AB for an elective credit, M2142 AB for a math credit, and WL2142 AB for a LOTE credit. Students will be awarded two credits for successful completion of this course.	Tier II 2142AB *WL2142AB **M2142AB A3580120, A3580120, A3580110 Grade level: 10 - 12 HS Credit(s): 2
Instructional Material: Project Lead the Way materials furnished by CTE department Prerequisite(s): AP Computer Science A (PLTW) Offered only at: World Languages Institute AP COMPUTER SCIENCE A AB (APTACSA 1AB, APTACSAL AB, APTACSAM AB) AP Computer Science A is designed for qualified students in grades 10 - 12 who wish to complete the equivalent of a college introductory course in computer science. The course will focus on programming methodology, and procedural abstraction. It also includes the study of algorithms, data structures, and data abstraction, but covered in less depth than in the Computer Science III AB course. Students must be scheduled into two of the following three course numbers for this course: 2142 AB for an elective credit, M2142 AB for a math credit, and WL2142 AB for a LOTE credit. Students will be awarded two credits for successful completion of this course. Instructional Material: Java Programming, CompuScholar	Tier II 2142AB *WL2142AB **M2142AB A3580120, A3580120, A3580110 Grade level: 10 - 12
Instructional Material: Project Lead the Way materials furnished by CTE department Prerequisite(s): AP Computer Science A (PLTW) Offered only at: World Languages Institute AP COMPUTER SCIENCE A AB (APTACSA 1AB, APTACSAL AB, APTACSAM AB) AP Computer Science A is designed for qualified students in grades 10 - 12 who wish to complete the equivalent of a college introductory course in computer science. The course will focus on programming methodology, and procedural abstraction. It also includes the study of algorithms, data structures, and data abstraction, but covered in less depth than in the Computer Science III AB course. Students must be scheduled into two of the following three course numbers for this course: 2142 AB for an elective credit, M2142 AB for a math credit, and WL2142 AB for a LOTE credit. Students will be awarded two credits for successful completion of this course.	Tier II 2142AB *WL2142AB **M2142AB A3580120, A3580120, A3580110 Grade level: 10 - 12 HS Credit(s): 2 College Hour(s): NA

COMPUTER SCIENCE III AB (TACS3AB)	2155 AB WL2155AB
Computer Science III will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the	03580350 Grade level: 11 - 12 HS Credit(s): 1
course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of advanced computer science data structures through the study of technology operations, systems, and concepts. Students may be awarded one *LOTE credit (WL2155 AB) or one	
elective credit (2155 AB) for successful completion of this course. Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): AP Computer Science A Offered at: Arlington Heights, Carter-Riverside, Dunbar, I.M. Terrell, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Trimble Tech, and World Languages Institute	Tier III
HONORS COMPUTER SCIENCE III AB/H (TACS3AB/H)	2145 AB WL2145AB
In addition to the regular course curriculum, students learn advanced skills in programming languages and structured programming techniques through the use of advanced data structures and the discussion of memory allocation and de-allocation. In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Students may be awarded one *LOTE credit (WL2145 AB) or one elective credit (2145 AB) for successful completion of this course.	03580350 Grade level: 11 - 12 HS Credit(s): 1
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): AP Computer Science A Offered at: Arlington Heights, Carter-Riverside, Dunbar, I.M. Terrell, North Side, O.D. Wyatt, Paschal, Polytechnic,	College Hour(s): NA Tier II
South Hills, Trimble Tech, and World Languages Institute HONORS DISCRETE MATHEMATICS FOR COMPUTER SCIENCE AB (TADISMA AB/H)	STH80370AB
Discrete Mathematics for Computer Science provides the tools used in most areas of computer science. Exposure to the mathematical concepts and discrete structures presented in this course is essential in order to provide an adequate foundation for further study. Course topics are divided into six areas: sets, functions, and relations; basic logic; proof techniques; counting basics; graphs and trees; and discrete probability. Mathematical topics are interwoven with computer science applications to enhance the students' understanding of the introduced mathematics. Students will develop the ability to see computational problems from a mathematical perspective. In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	03580370 Grade level: 12 HS Credit(s): 1
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): AP Computer Science A Offered at: Arlington Heights, Carter-Riverside, Dunbar, I.M. Terrell, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Trimble Tech, and World Languages Institute	College Hour(s): NA Tier II
HONORS INDEPENDENT STUDY IN TECHNOLOGY (FIRST TIME TAKEN) APPLICATIONS AB/H	2144AB
This course is designed for qualified students in grades 10 - 12 who wish to complete the equivalent of a college introductory course in computer science. The course will focus on programming methodology and procedural abstraction. It also includes the study of algorithms, data structures, and data abstraction covered in substantial depth. In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	03580900 Grade level: 11-12 HS Credit(s): 1
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Successful completion of AP Computer Science A Offered at: Arlington Heights, Carter-Riverside, Dunbar, I.M. Terrell, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Trimble Tech, and World Languages Institute	College Hour(s): NA Tier I
HONORS INDEPENDENT STUDY IN TECHNOLOGY (SECOND TIME TAKEN) APPLICATIONS AB/H	2146AB
This course is designed for qualified students in grades 10 - 12 who wish to complete the equivalent of a college introductory course in computer science. The course will focus on programming methodology and procedural abstraction. It also includes the study of algorithms, data structures, and data abstraction covered in substantial depth. In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	03581000 Grade level: 11-12 HS Credit(s): 1
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Successful completion of AP Computer Science A Offered at: Arlington Heights, Carter-Riverside, Dunbar, I.M. Terrell, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Trimble Tech, and World Languages Institute	College Hour(s): NA Tier I
HONORS INDEPENDENT STUDY IN TECHNOLOGY (THIRD TIME TAKEN) APPLICATIONS AB/H	2148AB
This course is designed for qualified students in grades 10 - 12 who wish to complete the equivalent of a college introductory course in computer science. The course will focus on programming methodology and procedural abstraction. It also includes the study of algorithms, data structures, and data abstraction covered in substantial	03581100 Grade level: 11-12 HS Credit(s): 1

depth. In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Successful completion of AP Computer Science A	College Hour(s): NA Tier I
Offered at: Arlington Heights, Carter-Riverside, Dunbar, I.M. Terrell, North Side, O.D. Wyatt, Paschal, Polytechnic,	
South Hills, Trimble Tech, and World Languages Institute	
FUNDAMENTALS OF COMPUTER SCIENCE AB (TAFCS AB)	2140AB
Fundamentals of Computer Science is intended as a first course for those students just beginning the study of	03580140
computer science. Students will learn about the computing tools that are used every day. Students will foster	Grade level: 9
their creativity and innovation through opportunities to design, implement, and present solutions to real-world	HS Credit(s): 1
problems. Students will collaborate and use computer science concepts to access, analyze, and evaluate	
information needed to solve problems. Students will learn the problem-solving and reasoning skills that are the	
foundation of computer science. By using computer science knowledge and skills that support the work of	
individuals and groups in solving problems, students will select the technology appropriate for the task,	
synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by	
researching current laws and regulations and by practicing integrity and respect. Students will gain an	
understanding of the principles of computer science through the study of technology operations and concepts.	
<u>Instructional Material:</u> Contact Career and Technical Education Department for related materials.	College Hour(s): NA
<u>Prerequisite(s)</u> : None	Tier III
HONORS FUNDAMENTALS OF COMPUTER SCIENCE AB/H (TAFCS AB/H)	2150AB
In addition to the regular course curriculum, students in this honors course will complete additional projects	03580140
and activities related to the program of study.	Grade level: 9
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 1
Prerequisite(s): None	College Hour(s): NA
	Tier II



Law and Public Service

Law Enforcement

Legal Studies



9th Principles of Law, Public Safety, Corrections, and Security:

LA29201 AB OR LAH29201 AB

10th Law Enforcement I:

LA29302 AB OR LAH29302 AB

11th Law Enforcement II¹:

LA29402 AB OR LAH29402 AB

Unpaid Practicum in Law, Public Safety, Corrections, and Security/d²:

LA30102 AB OR LAH30102 AB

12th OR

Paid Practicum in Law, Public Safety, Corrections, and Security:

LA30110 AB OR LAH30110 AB

Enrichment Courses:

• Forensic Science: LA29502 AB OR LAH29502 AB

Criminal Investigations: LA29300 AB OR LAH29300 AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: International Academy of Emergency Dispatch (IAED) Emergency Telecommunicator Certification¹
- Not counted towards Performance Acknowledgment: OSHA 10-hour General Industry Certification²

Available At:

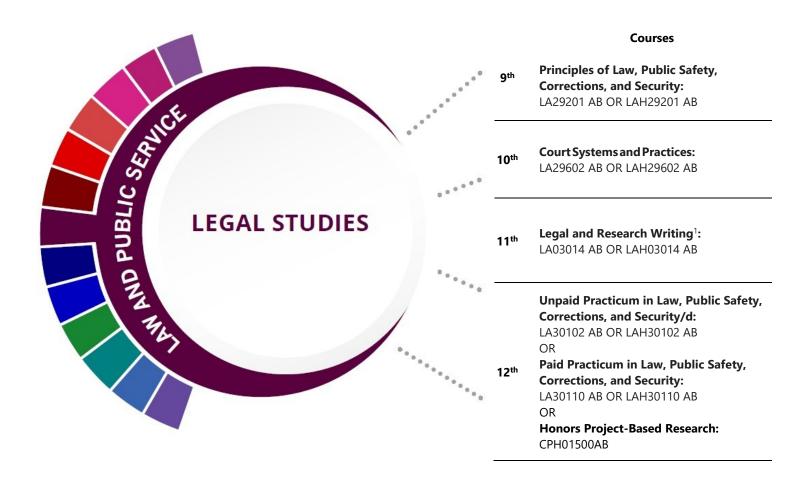
Eastern Hills HS

The Law Enforcement program of study teaches students about the development of, adherence to, and protection of various branches of law. Students may learn how to appropriately and legally respond to breaches in the law according to statutory rules and regulations as well as investigate how and why the breaches occurred.



The Law and Public Service Career Cluster® focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services.

Successful completion of the Law Enforcement program of study will fulfill requirements of the Public Service Endorsement. Revised - July 2020



Enrichment Courses:

N/A

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Entrepreneurship and Small Business (ESB)¹
- Not counted towards Performance Acknowledgment: N/A

Available At:

Eastern Hills HS

The Legal Studies program of study introduces students to the occupations and educational opportunities related to representing clients in criminal and civil litigation and other legal proceedings, as well as assisting lawyers and preparing legal documents. This program of study explores possible specializations in a single area of law.



The Law and Public Service Career Cluster® focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services.

Successful completion of the Legal Studies program of study will fulfill requirements of the Public Service Endorsement. Revised - July 2020

COURSE DESCRIPTIONS FOR ALL LAW ENFORCEMENT & PUBLIC SAFETY CLASSES

	LA29201AB
The course, Principles of Law and Public Safety, introduces students to professions in the courts and criminal	13029200
ustice system such as law enforcement, security, corrections, and emergency management services. Students will	Grade level: 9 - 10
examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of	HS Credit(s): 1
emergency services. The course provides students with an overview of the skills necessary for careers in law	
enforcement, security, and corrections.	
nstructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): None	Tier III
Offered only at: Eastern Hills	1 A 1 1 2 2 2 2 4 A D
HONORS PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY AB (PRINLPCS AB/H)	LAH29201AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13029200
activities related to the program of study.	Grade level: 9 - 10
nstructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 1
Prerequisite(s): None	College Hour(s): NA
Course taught by locally certified gifted teacher.	Tier II
Offered only at: Eastern Hills	1 4 2 2 C 2 2 A D
COURT SYSTEMS AND PRACTICES AB (COURTSP AB)	LA29602AB
Court Systems and Practices is an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of	13029600
	Grade level: 10 - 12
evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and interrogation.	HS Credit(s): 1
nstructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
<u>Instructional Material.</u> Contact Career and Technical Education Department for related materials Prerequisite(s): Principles of Law and Public Safety	Tier III
Offered only at: Eastern Hills	ilei iii
HONORS COURT SYSTEMS AND PRACTICES AB (COURTSP AB/H)	LAH29602AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13029600
activities related to the program of study.	Grade level: 10 - 12
nstructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 1
Prerequisite(s): Principles of Law and Public Safety	College Hour(s): NA
Offered only at: Eastern Hills	Tier II
LAW ENFORCEMENT I AB (LAWENF1 AB)	LA29302AB
aw Enforcement I is an overview of the history, organization, and functions of local, state, and federal law	13029300
enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law	Grade level: 11 - 12
enforcement terminology, and the classification and elements of crime. Students study of the nature of criminal	HS Credit(s): 1
aw and its philosophical and historical development, with major definitions and concepts. Instruction includes	
the classifications of crimes and the elements of crimes and penalties using Texas statutes as illustrations.	
nstructional Material: Criminal Justice, Prentice Hall Publishing/Pearson Learning, ISBN#: 0321194608	College Hour(s): NA
Prerequisite(s): Court Systems and Practices I	Tier III
Offered only at: Eastern Hills	
HONORS LAW ENFORCEMENT I AB (LAWENF1 AB/H)	LAH29302AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13029300
activities related to the program of study.	Grade level: 11 – 12
nstructional Material: Criminal Justice, Prentice Hall Publishing/Pearson Learning	HS Credit(s): 1
	College Hour(s): NA
Prerequisite(s): Court Systems and Practices I	Tier II
Offered only at: Eastern Hills	1 4 20 402 4 5
Offered only at: Eastern Hills AW ENFORCEMENT II AB (LAWENF2 AB)	LA29402AB
Offered only at: Eastern Hills AW ENFORCEMENT II AB (LAWENF2 AB) aw Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This	13029400
Offered only at: Eastern Hills AW ENFORCEMENT II AB (LAWENF2 AB) Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication	13029400 Grade level: 12
Offered only at: Eastern Hills AW ENFORCEMENT II AB (LAWENF2 AB) aw Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony.	13029400 Grade level: 12 HS Credit(s): 1
Offered only at: Eastern Hills LAW ENFORCEMENT II AB (LAWENF2 AB) Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony. Instructional Material: Criminal Justice, Prentice Hall Publishing/Pearson Learning	13029400 Grade level: 12 HS Credit(s): 1 College Hour(s): NA
Offered only at: Eastern Hills LAW ENFORCEMENT II AB (LAWENF2 AB) Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony. Instructional Material: Criminal Justice, Prentice Hall Publishing/Pearson Learning Perequisite(s): Law Enforcement I	13029400 Grade level: 12 HS Credit(s): 1
Offered only at: Eastern Hills LAW ENFORCEMENT II AB (LAWENF2 AB) Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony. Instructional Material: Criminal Justice, Prentice Hall Publishing/Pearson Learning Pererequisite(s): Law Enforcement I Offered only at: Eastern Hills	13029400 Grade level: 12 HS Credit(s): 1 College Hour(s): NA Tier III
Offered only at: Eastern Hills LAW ENFORCEMENT II AB (LAWENF2 AB) Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony. Instructional Material: Criminal Justice, Prentice Hall Publishing/Pearson Learning Pererequisite(s): Law Enforcement I Offered only at: Eastern Hills HONORS LAW ENFORCEMENT II AB (LAWENF2 AB/H)	13029400 Grade level: 12 HS Credit(s): 1 College Hour(s): NA Tier III
AW ENFORCEMENT II AB (LAWENF2 AB) Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony. Instructional Material: Criminal Justice, Prentice Hall Publishing/Pearson Learning Pererequisite(s): Law Enforcement I Offered only at: Eastern Hills HONORS LAW ENFORCEMENT II AB (LAWENF2 AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and	13029400 Grade level: 12 HS Credit(s): 1 College Hour(s): NA Tier III LAH29402AB 13029400
AW ENFORCEMENT II AB (LAWENF2 AB) Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony. Instructional Material: Criminal Justice, Prentice Hall Publishing/Pearson Learning Pererequisite(s): Law Enforcement I Offered only at: Eastern Hills HONORS LAW ENFORCEMENT II AB (LAWENF2 AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13029400 Grade level: 12 HS Credit(s): 1 College Hour(s): NA Tier III LAH29402AB 13029400 Grade level: 12
AW ENFORCEMENT II AB (LAWENF2 AB) Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony. Instructional Material: Criminal Justice, Prentice Hall Publishing/Pearson Learning Pererequisite(s): Law Enforcement I Offered only at: Eastern Hills HONORS LAW ENFORCEMENT II AB (LAWENF2 AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and	13029400 Grade level: 12 HS Credit(s): 1 College Hour(s): NA Tier III LAH29402AB 13029400

CRIMINAL INVESTIGATIONS AB (CRIM INV AB)	LA29300AB
Criminal Investigation is a course that introduces students to the profession of criminal investigations. Students	13029550
will understand basic functions of criminal investigations and procedures and will learn how to investigate or	Grade level: 10 - 11
follow up during investigations. Students will learn terminology and investigative procedures related to criminal	HS Credit(s): 1
investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation. Through case studies and simulated crime scenes, students will collect and analyze evidence such as fingerprint analysis,	
bodily fluids, hairs, fibers, shoe and tire impressions, bite marks, drugs, tool marks, firearms and ammunition,	
blood spatter, digital evidence, and other types of evidence.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Principles of Law and Public Safety	Tier III
Offered only at: Eastern Hills	
HONORS CRIMINAL INVESTIGATIONS AB (CRIM INV AB/H)	LAH29300AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13029550
activities related to the program of study.	Grade level: 10 - 11
nstructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 1
Prerequisite(s): Principles of Law and Public Safety	College Hour(s): NA
Offered only at: Eastern Hills	Tier II
FORENSIC SCIENCE AB (FORENSCI AB)	LA29502AB
Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of	13029500
assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal	Grade level: 11-12
behavior. Students will learn terminology and investigative procedures related to crime scene, questioning,	HS Credit(s): 1
interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes.	
Using scientific methods, students will collect and analyze evidence through case studies and simulated crime	
scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Biology and Chemistry	Tier III
HONORS FORENSIC SCIENCE AB (FORENSCI AB/H)	LAH29502AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13029500
activities related to the program of study.	Grade level: 11-12
activities related to the program or study.	HS Credit(s): 1
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Biology and Chemistry	Tier II
UNPAID PRACTICUM IN LAW AND PUBLIC SAFETY/D AB (PRACLPCS AB)	LA30102AB
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of	13030100
career and technical education courses within their designated program of study. The double-period practicum	Grade level: 12
course is an unpaid capstone experience for students participating in a coherent sequence of career and	HS Credit(s): 2
technical education courses in the Law and Public Safety cluster. The unpaid practicum is designed to give	
students supervised practical application of previously studied knowledge and skills. Practicum experiences can	
occur in a variety of locations appropriate to the nature and level of experience. The student documents	
technical knowledge and skills in an updated professional portfolio that includes licensures or certifications;	
awards and scholarships; examples of extended learning experiences such as community service and active participation in career and technical student organizations and professional organizations; an updated resume;	
samples of work; and evaluations from the practicum supervisor. Practicum capstone experiences can occur in a	
variety of locations appropriate to the nature and level of experiences such as independent study, assistantships,	
mentorships, or laboratories. The various in-class capstone experiences include students working in a simulated	
environment, running an enterprise, or be involved in program-specific local projects the school has approved	
for this class. Additional capstone experiences also include students being selected to be a part of a work-based	
experience or industry training off-site, outside of school.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Completion of two courses in this career focus	Tier III
Offered only at: Eastern Hills	
•	LAH30102AB
HONORS UNPAID PRACTICUM IN LAW AND PUBLIC SAFETY/D AB (PRACLPCS AB/H)	
HONORS UNPAID PRACTICUM IN LAW AND PUBLIC SAFETY/D AB (PRACLPCS AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and	13030100
HONORS UNPAID PRACTICUM IN LAW AND PUBLIC SAFETY/D AB (PRACLPCS AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13030100 Grade level: 12
HONORS UNPAID PRACTICUM IN LAW AND PUBLIC SAFETY/D AB (PRACLPCS AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials	13030100 Grade level: 12 HS Credit(s): 2
HONORS UNPAID PRACTICUM IN LAW AND PUBLIC SAFETY/D AB (PRACLPCS AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Completion of two courses in this career focus	13030100 Grade level: 12 HS Credit(s): 2 College Hour(s): NA
HONORS UNPAID PRACTICUM IN LAW AND PUBLIC SAFETY/D AB (PRACLPCS AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Completion of two courses in this career focus Offered only at: Eastern Hills	13030100 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II
HONORS UNPAID PRACTICUM IN LAW AND PUBLIC SAFETY/D AB (PRACLPCS AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Completion of two courses in this career focus Offered only at: Eastern Hills PAID PRACTICUM IN LAW AND PUBLIC SAFETY AND SECURITY/EXTENDED AB (EXPRLPS1 AB)	13030100 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II LA30110AB
HONORS UNPAID PRACTICUM IN LAW AND PUBLIC SAFETY/D AB (PRACLPCS AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Completion of two courses in this career focus Offered only at: Eastern Hills PAID PRACTICUM IN LAW AND PUBLIC SAFETY AND SECURITY/EXTENDED AB (EXPRLPS1 AB) The practicum course is a paid capstone experience for students participating in a coherent sequence of career	13030100 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II LA30110AB
HONORS UNPAID PRACTICUM IN LAW AND PUBLIC SAFETY/D AB (PRACLPCS AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Completion of two courses in this career focus Offered only at: Eastern Hills PAID PRACTICUM IN LAW AND PUBLIC SAFETY AND SECURITY/EXTENDED AB (EXPRLPS1 AB) The practicum course is a paid capstone experience for students participating in a coherent sequence of career and technical education courses in the Law and Public Safety cluster. This course is designed to give students	13030100 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II LA30110AB 13030105 Grade level: 12
In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Completion of two courses in this career focus Offered only at: Eastern Hills PAID PRACTICUM IN LAW AND PUBLIC SAFETY AND SECURITY/EXTENDED AB (EXPRLPS1 AB) The practicum course is a paid capstone experience for students participating in a coherent sequence of career and technical education courses in the Law and Public Safety cluster. This course is designed to give students supervised practical application of previously studied knowledge and skills. A student must be a minimum age of	13030100 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II LA30110AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Completion of two courses in this career focus Offered only at: Eastern Hills PAID PRACTICUM IN LAW AND PUBLIC SAFETY AND SECURITY/EXTENDED AB (EXPRLPS1 AB) The practicum course is a paid capstone experience for students participating in a coherent sequence of career and technical education courses in the Law and Public Safety cluster. This course is designed to give students supervised practical application of previously studied knowledge and skills. A student must be a minimum age of 16 and hold valid work documentation, such as a Social Security card, to enroll in any of the paid practicum	13030100 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II LA30110AB 13030105 Grade level: 12
In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Completion of two courses in this career focus Offered only at: Eastern Hills PAID PRACTICUM IN LAW AND PUBLIC SAFETY AND SECURITY/EXTENDED AB (EXPRLPS1 AB) The practicum course is a paid capstone experience for students participating in a coherent sequence of career and technical education courses in the Law and Public Safety cluster. This course is designed to give students supervised practical application of previously studied knowledge and skills. A student must be a minimum age of	13030100 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II LA30110AB 13030105 Grade level: 12

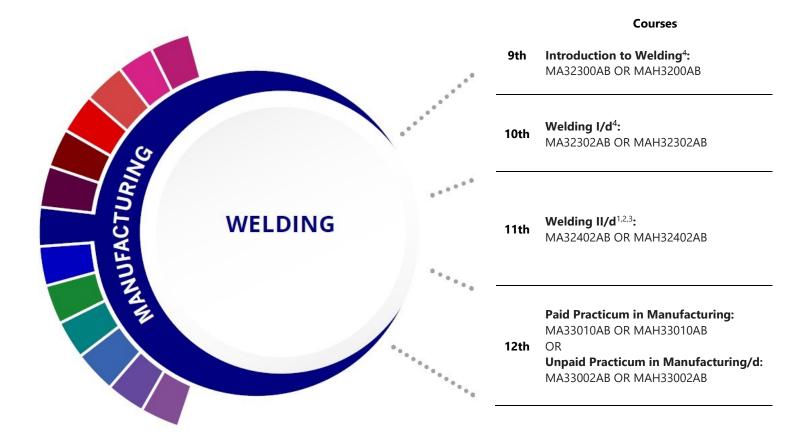
class period per week during the school year, are employed for <u>fifteen (15) hours per week</u> (or average of 30 hours across two weeks) at an approved site within ten days of the beginning of the course. Work hours can be	
included during the school day or outside of school hours. If work hours are during the school day, students can	
be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students'	
projected graduation plan.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Completion of two courses in this career focus	Tier III
Offered only at: Eastern Hills	
HONORS PAID PRACTICUM IN LAW AND PUBLIC SAFETY AND SECURITY/EXTENDED AB (EXPRLPS1 AB/H)	LAH30110AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13030105
activities related to the program of study.	Grade level: 12
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 3
Prerequisite(s): Completion of two courses in this career focus	College Hour(s): NA
Offered only at: Eastern Hills	Tier II
LEGAL AND RESEARCH WRITING AB (LEGRW AB)	LA03014AB
Legal Research and Writing provides an introduction into the study and practice of legal writing and research.	N1303014
This course is designed to introduce students to the methods and tools used to conduct legal research, develop	Grade level: 11
and frame legal arguments, produce legal writings such as briefs, memorandums, and other legal documents,	HS Credit(s): 1
study U.S. Constitutional law, and prepare for appellate argument(s).	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): None	Tier III
Offered only at: Eastern Hills	
HONORS LEGAL AND RESEARCH WRITING AB (LEGRW AB/H)	LAH03014AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	N1303014
activities related to the program of study.	Grade level: 11
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 1
Prerequisite(s): None	College Hour(s): NA
Offered only at: Eastern Hills	Tier II
HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H)	CPH01500AB
Students will research a real-world problem and possible solutions throughout this course. Students develop a	12701500
project on a topic related to career interests, use scientific methods of investigation to conduct in-depth	Grade level: 11-12
research, are matched with a mentor from the business or professional community, compile findings, and	HS Credit(s): 1
present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or	
planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course.	
In addition to the regular course curriculum, students in the honors course will complete additional projects and	
in addition to the regular course curriculum, students in the nonors course will complete additional projects and	
activities related to the program of study.	College Hour(s): NA
	College Hour(s): NA Tier II



Manufacturing

Welding

Advanced Manufacturing and Machinery Mechanics



Enrichment Courses:

• N/A

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: AWS D1.1 Structural Welding¹; AWS D9.1 Sheet Metal²; and/or NCCER Welding Level I³; NCCER Core⁴
- Not Counted Towards Performance Acknowledgment: N/A

Available At:

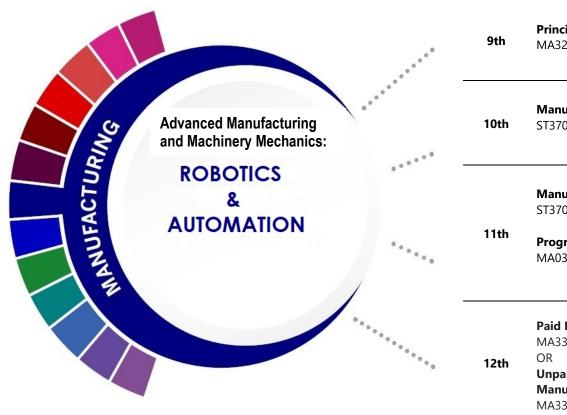
- Diamond Hill-Jarvis HS
- South Hills HS
- Southwest HS
- Trimble Technical HS

The Welding program of study focuses on the development and use of automatic and computer-controlled machines, tools, and robots that perform work on metal or plastic. Students will learn how to modify parts to make or repair machine tools or maintain individual machines, and how to use hand-welding or flame-cutting equipment.



The Manufacturing Career Cluster® focuses on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering.

Successful completion of the Manufacturing Technology program of study will fulfill requirements of the Business and Industry Endorsement. Revised – July 2020



Principles of Manufacturing: MA32201AB OR MAH32201AB

Manufacturing Robotics I¹:

ST37002AB OR STH37002AB

Manufacturing Robotics II²: ST37003AB OR STH37003AB

Programmable Logic Controller I ³:

MA03689AB OR MAH03689AB

Paid Practicum in Manufacturing: MA33010AB OR MAH33010AB

Unpaid Practicum in Manufacturing/d:

MA33002AB OR MAH33002AB

Enrichment Courses:

N/A

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: FANUC Robot Operator I²; SACA C-101 Industry 4.0 Associate Basic Operations³
- Not Counted Towards Performance Acknowledgment: OSHA 10-Hour General Industry¹

Available At:

• Trimble Technical HS

The Advanced Manufacturing and Machinery Mechanics program of study focuses on the assembly, operation, maintenance, and repair of electromechanical equipment or devices. CTE learners may work in a variety of mechanical fields, gaining knowledge and experience in robotics, refinery and pipeline systems, deep ocean exploration, or hazardous waste removal. CTE concentrators may work in a variety of fields of engineering.



The Manufacturing Career Cluster focuses on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering.

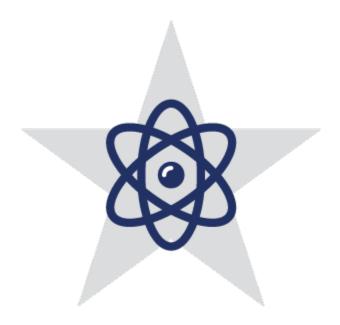
Successful completion of the Advanced Manufacturing and Machinery program of study will fulfill the requirements of the Business and Industry or STEM endorsement if the math and science requirements are met. Revised - July 2020

COURSE DESCRIPTIONS FOR MANUFACTURING CLASSES

INTRODUCTION TO WELDING AB (INTRWELD AB)	MA32300AB
Introduction to Welding will introduce welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in welding industries. Students will develop knowledge and skills related to welding and apply	13032250 Grade level: 9-10 HS Credit(s): 1
them to personal career development. <u>Instructional Material</u> : <i>NCCER- Welding, Texas Edition 2017 Student Edition,</i> Pearson Education <u>Prerequisite(s)</u> : None	College Hour(s): NA Tier III
Offered at: Diamond-Hill Jarvis, South Hills, Southwest, Trimble Tech	
HONORS INTRODUCTION TO WELDING AB (INTRWELD AB/H)	MAH32300AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13032250 Grade level: 9 - 10
<u>Instructional Material</u> : <i>NCCER- Welding, Texas Edition 2017 Student Edition,</i> Pearson Education Inc. <u>Prerequisite(s)</u> : None	HS Credit(s): 1 College Hour(s): NA
Offered at: Diamond-Hill Jarvis, South Hills, Southwest, Trimble Tech	Tier II
WELDING I/D AB (WELD 1AB)	MA32302AB
Rapid advances in technology have created new career opportunities and demands in many industries. Welding provides the knowledge, skills, and technologies required for employment in metal technology systems. Students develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills as students apply and transfer their understanding and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success.	13032300 Grade level: 10 - 11 HS Credit(s): 2
Instructional Material: NCCER- Welding, Texas Edition 2017 Student Edition, Pearson Education Inc. <u>Prerequisite(s)</u> : Introduction to Welding	College Hour(s): NA Tier III
Offered at: Diamond-Hill Jarvis, South Hills, Southwest, Trimble Tech	MANUSSES A D
HONORS WELDING I/D AB (WELD 1AB/H)	MAH32302AB 13032300
In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	Grade level: 10 - 11
Instructional Material: NCCER- Welding, Texas Edition 2017 Student Edition, Pearson Education Inc.	HS Credit(s): 2
Prerequisite(s): Introduction to Welding	College Hour(s): NA
Offered at: Diamond-Hill Jarvis, South Hills, Southwest, Trimble Tech	Tier II
WELDING II/D AB (WELD 2AB)	MA32402AB
Welding II builds on knowledge and skills developed in Welding I. Students will develop advanced welding	13032400
concepts and skills as they relate to personal and career development. This course integrates academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.	Grade level: 11 - 12 HS Credit(s): 2
Instructional Material: NCCER- Welding, Texas Edition 2017, Pearson Education Inc. Prerequisite(s): Welding I/d	College Hour(s): NA Tier III
Offered at: Diamond-Hill Jarvis, South Hills, Southwest, Trimble Tech	
HONORS WELDING II/D AB (WELD 2AB/H)	MAH32402AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13032400
activities related to the program of study. <u>Instructional Material</u> : NCCER- Welding, Texas Edition 2017, Pearson Education Inc.	Grade level: 11 - 12 HS Credit(s): 2
Prerequisite(s): Welding I/d	College Hour(s): NA
Offered at: Diamond-Hill Jarvis, South Hills, Southwest, Trimble Tech	Tier II
PAID PRACTICUM IN MANUFACTURING/EXTENDED AB (EXPRMAN1 AB)	MA33010AB
This practicum course is a paid capstone experience for students participating in a coherent sequence of career and technical education courses within their designated program of study. This course is designed to give students supervised practical application of previously studied knowledge and skills. A student must be a minimum age of 16 and hold valid work documentation, such as a Social Security card, to enroll in any of the paid practicum learning experiences. In order to receive course credit, this course requires that students make a full year commitment to this course and their employment, must have related classroom instruction that averages one class period per week during the school year, are employed for <u>fifteen (15) hours per week</u> (or average of 30 hours across two weeks) at an approved site within ten days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan.	13033005 Grade level: 12 HS Credit(s): 3

Instructional Material: Contact Career and Technical Education for related materials	College Hour(s): NA
Prerequisite(s): Welding II/d	Tier III
Offered at: Diamond-Hill Jarvis, South Hills, Southwest, Trimble Tech HONORS PAID PRACTICUM IN MANUFACTURING/EXTENDED AB (EXPRMAN1 AB/H)	MAH33010AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13033005
activities related to the program of study.	Grade level: 12
Instructional Material: Contact Career and Technical Education for related materials	HS Credit(s): 3
Prerequisite(s) (For Welding): Welding II/d AB	College Hour(s): NA
Prerequisite(s) (For Manufacturing P-Tech): Previous P-TECH Manufacturing coursework notated on crosswalk	Tier II
Offered at: Diamond-Hill Jarvis, South Hills, Southwest, Trimble Technical, and Dunbar (P-Tech)	
UNPAID PRACTICUM IN MANUFACTURING AB/D (PRACMANU AB)	MA33002AB
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of	13033000
career and technical education courses within their designated program of study. In the Practicum in	Grade level: 12
Manufacturing, students will apply the knowledge and manufacturing skills learned in their pre-requisite courses	HS Credit(s): 2
that are essential to prepare students for success. Practicum capstone experiences can occur in a variety of locations appropriate to the nature and level of experiences such as independent study, assistantships,	
mentorships, or laboratories. The various in-class capstone experiences include students working in a simulated	
environment, running an enterprise, or be involved in program-specific local projects the school has approved for	
this class. Additional capstone experiences also include students being selected to be a part of a work-based	
experience or industry training off-site, outside of school.	
Instructional Material: Contact Career and Technical Education for related materials	College Hour(s): NA
Prerequisite(s): Welding II/d	Tier III
Offered at: Diamond-Hill Jarvis, South Hills, Southwest, Trimble Tech	
HONORS UNPAID PRACTICUM IN MANUFACTURING AB/D (PRACMANU AB/H)	MAH33002AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13033000 Grade level: 12
Instructional Material: Contact Career and Technical Education for related materials	HS Credit(s): 2
Prerequisite(s) (For Welding): Welding II/d AB	College Hour(s): NA
Prerequisite(s) (For Manufacturing P-Tech): Previous P-TECH Manufacturing coursework notated on crosswalk	Tier II
Offered at: Diamond-Hill Jarvis, South Hills, Southwest, Trimble Technical, and Dunbar (P-Tech)	
PRINCIPLES OF MANUFACTURING AB (MA32201 AB)	MA32201AB
n Principles of Manufacturing, students gain knowledge and skills in the application, design, production, and	13032200
assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing.	Grade level: 9
Knowledge and skills in the proper application of principles of manufacturing, the design of technology, the	HS Credit(s): 1
efficient production of technology, and the assessment of the effects of manufacturing production technology	
prepare students for success in the modern world. The study of manufacturing technology allows students to	
reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in a manufacturing setting. In addition to general academic and technical knowledge and	
skills, students gain an understanding of career opportunities available in manufacturing and what employers	
require to gain and maintain employment in these careers.	
Instructional Material: Amatrol	College Hour(s): NA
Prerequisite(s): None	Tier II
Offered only at: Trimble Tech	
HONORS PRINCIPLES OF MANUFACTURING AB (MA32201 AB)	MAH32201AB
n addition to the regular course curriculum, students in this honors course will complete a project using the five	13032200 Grade level: 9
phases of project management used in the business and industry environment. Instructional Material: Amatrol	HS Credit(s): 1
Prerequisite(s): None	College Hour(s): NA
Offered only at: Trimble Tech	Tier II
MANUFACTURING ROBOTICS I AB (MANROBOT 1AB)	MA37002AB
n Robotics I, students will transfer academic skills to component designs in a project-based environment	13037000
through implementation of the design process. Students will build prototypes or use simulation software to test	Grade level: 10-12
their designs. Additionally, students will explore career opportunities, employer expectations, and educational	HS Credit(s): 1
needs in the robotic and automation industry.	
	College Hour(s): NA
	Cian III
Prerequisite(s): None	Tier III
Prerequisite(s): None Offered at: Trimble Tech	
Prerequisite(s): None Offered at: Trimble Tech HONORS MANUFACTURING ROBOTICS I AB (MANROBOT 1AB/H)	MAH37002AB
Prerequisite(s): None Offered at: Trimble Tech HONORS MANUFACTURING ROBOTICS I AB (MANROBOT 1AB/H) n addition to the regular course curriculum, students in the honors course will complete additional projects and	MAH37002AB 13037000
Instructional Material: Amatrol Prerequisite(s): None Offered at: Trimble Tech HONORS MANUFACTURING ROBOTICS I AB (MANROBOT 1AB/H) n addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Amatrol	MAH37002AB 13037000 Grade level: 10-12
Prerequisite(s): None Offered at: Trimble Tech HONORS MANUFACTURING ROBOTICS I AB (MANROBOT 1AB/H) n addition to the regular course curriculum, students in the honors course will complete additional projects and	MAH37002AB 13037000

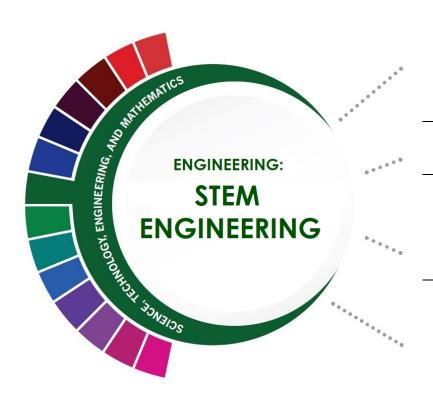
PROGRAMMABLE LOGIC CONTROLLER I	MA03689AB
Programmable Logic Controller I is a course designed to introduce students to the function and operation of	N1303689
Programmable Logic Controllers (PLC) through academic and applied instruction. Students will be introduced to	Grade level: 10-12
relevant terminology, the components that make up a PLC, how PLC communicates with external components	HS Credit(s): 1
and other concepts relating to the use of PLC's in the manufacturing industry. Students will participate in	College Hour(s): NA
structured, applied learning exercises taken from existing PLC applications. Students will also learn how to read	Tier III
ladder logic diagrams and ultimately write their first program. This course is recommended for students in grade	
10 through 12. The central focus of this course is for students to gain an understanding of how programmable	
logic controllers work and how they are used in automated industries.	
Instructional Material: Contact Career and Technical Education for related materials	
<u>Prerequisite(s)</u> : Robotics I	
Offered only at: Trimble Tech	
HONORS PROGRAMMABLE LOGIC CONTROLLER I	MAH03689AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	N1303689
activities related to the program of study.	Grade level: 10-12
Instructional Material: Contact Career and Technical Education for related materials	HS Credit(s): 1
Prerequisite(s): Robotics I	College Hour(s): NA
Offered only at: Trimble Tech	Tier II
MANUFACTURING ROBOTICS II AB (MANROBOTIC 2AB)	MA37003AB
In Robotics II, students will explore artificial intelligence and programming in the robotic and automation	13037050
industry. Through implementation of the design process, students will transfer academic skills to component	Grade level: 11-12
designs in a project-based environment. Students will build prototypes and use software to test their designs.	HS Credit(s): 1
Instructional Material: Amatrol	College Hour(s): NA
Prerequisite(s): Robotics I	Tier III
Offered at: Trimble Tech	
HONORS MANUFACTURING ROBOTICS II AB (MANROBOTIC 2AB/H)	MAH37003AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13037050
activities related to the program of study.	Grade level: 11-12
Instructional Material: Amatrol	HS Credit(s): 1
Prerequisite(s): Robotics I	College Hour(s): NA
Offered at: Trimble Tech	Tier II



Engineering

Engineering Foundations





Honors Engineering Essentials (PLTW)

STH03760AB

Principles of Applied Engineering*:

ST36202AB OR STH36202AB

10th Engineering Design and Presentation I:

ST36502AB OR STH36502AB

Engineering Design and Presentation II/d1,

4*: ST36602AB OR STH36602AB

11th O

9th

Honors Engineering Design and

Development (PLTW)^{1, 2, 3**}: STH37492AB

Engineering Design and Problem Solving:

ST37302AB OR STH37302AB

OR

Scientific Research and Design**:

ST37202AB OR STH37202AB

12th OR

Unpaid Practicum in STEM/d:

STH37402AB

OR

Paid Practicum in STEM4:

ST37405AB OR STH37405AB

Enrichment Courses:

Robotics I⁴: ST37002AB OR STH37002AB

Robotics II: ST37003AB OR STH37003AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Certified SolidWorks Associate Academic¹; Autodesk Certified User-Inventor²; Autodesk Certified User-Fusion 360³
- Not Counted Towards Performance Acknowledgment: OSHA 10-Hour General Industry⁴

Available At:

- I.M. Terrell Academy HS
- Trimble Technical HS

The Engineering program of study focuses on the design, development, and use of engines, machines, and structures. Students will learn how to apply science, mathematical methods, and empirical evidence to the innovation, design, construction, operation, and maintenance of different manufacturing systems.

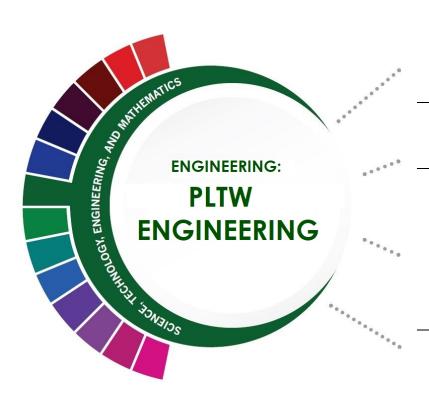


The Science, Technology, Engineering, and Mathematics (STEM) Career Cluster focuses on planning, managing, and providing, scientific research and professional and technical services, including laboratory and testing services, and research and development services.

The * denoted courses are specific to Trimble Technical High School.

The ** denoted courses are specific to I.M. Terrell Academy

Successful completion of the Engineering program of study will fulfill requirements of a Business and Industry or STEM endorsement if the math and science requirements are met. Revised - July 2020



9th Honors Engineering Essentials (PLTW):

STH03760AB

10th Introduction to Engineering Design (PLTW):

STH07422AB

Engineering Science (PLTW): STH03742AB

OR

Computer Integrated Manufacturing (PLTW)⁴:

STH37482AB

11th O

Aerospace Engineering (PLTW): STH37452AB

OR

Civil Engineering and Architecture (PLTW):

STH37472AB

Engineering Design and Development 1, 2, 3:

STH37492AB

12th OR

Paid Practicum in STEM^{1,2,3,5}:

ST37405AB OR STH37405AB (15 hours) OR ST37409AB OR STH37409AB (10 hours)

Enrichment Courses:

• Robotics I⁵: ST37002AB OR STH37002AB

Robotics II: ST37003AB OR STH37003AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Autodesk Certified User-Inventor¹; Certified SolidWorks Associate Academic²; Autodesk Certified User-Fusion 360³
- Not Counted Towards Performance Acknowledgment: OSHA 10-Hour General Industry⁵

Available At:

- Arlington Heights HS
- Benbrook HS
- Carter-Riverside HS
- Diamond Hill-Jarvis
 HS
- Dunbar HS
- Eastern Hills HS
- North Side HS
- OD Wyatt HS
- Paschal HS
- Polytechnic HS
- South Hills HS
- Southwest HS
- Young Men's Leadership Academy HS*
- Young Women's Leadership Academy HS*

The Engineering program of study focuses on the design, development, and use of engines, machines, and structures. Students will learn how to apply science, mathematical methods, and empirical evidence to the innovation, design, construction, operation, and maintenance of different manufacturing systems.



The Science, Technology, Engineering, and Mathematics (STEM) Career Cluster focuses on planning, managing, and providing, scientific research and professional and technical services, including laboratory and testing services, and research and development services.

Successful completion of the Engineering program of study will fulfill requirements of a Business and Industry or STEM endorsement if the math and science requirements are met. Revised - July 202

^{*}Young Men's Leadership Academy and Young Women's Leadership Academy test at the 11th grade level

COURSE DESCRIPTIONS FOR STEM CLASSES

HONORS ENGINEERING ESSENTIALS AB (PLTW) (ENGESSP AB/H)	STH03760AB
n this honors course, students explore the breadth of engineering career opportunities and experiences as they	N1303760
solve engaging and challenging real-world problems like creating a natural relief center system or creating a	Grade Level: 8-9
solution to improve the safety and well-being of local citizens. In addition to the regular course curriculum,	HS Credit(s): 1
tudents in the honors course will complete additional projects and activities related to the program of study.	
nstructional Material: Project Lead the Way materials furnished by CTE department	College Hour(s): NA
Prerequisite(s): None	Tier II
Offered at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side,	
D.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, YMLA, YWLA	
HONORS INTRODUCTION TO ENGINEERING DESIGN AB (PLTW) (IED AB/H)	STH07422AB
n this honors course, students use a problem-solving model to improve existing products and invent new ones.	N1303742
hey learn how to apply this model to solve problems in and out of the classroom. Using sophisticated three-	Grade level: 9- 10
limensional modeling software, students communicate the details of the products. Emphasis is placed on	HS Credit(s): 1
inalyzing potential solutions and communicating ideas to others. In addition to the regular course curriculum,	
tudents in the honors course will complete additional projects and activities related to the program of study.	
nstructional Material: Project Lead the Way materials furnished by CTE department	College Hour(s): NA
Prerequisite(s): Engineering Essentials (PLTW)	Tier II
Offered at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side,	TICL III
D.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Western Hills, YMLA, YWLA	
IONORS ENGINEERING SCIENCE (PLTW) AB (ENGSCIEN AB/H)	STH03742AB
	13037500
his honors course helps students understand the field of engineering/engineering technology. Exploring various manufacturing processes help students learn how engineers and technicians use math, science and technology in	13037500 Grade level: 10 – 11
3	
n engineering problem solving process to benefit people. The course also includes concerns about the social	HS Credit(s): 1
nd political consequences of technological change. In addition to the regular course curriculum, students in the	
nonors course will complete additional projects and activities related to the program of study.	Callana III. (A NA
nstructional Material: Project Lead the Way materials furnished by CTE department	College Hour(s): NA
Prerequisite(s): Introduction to Engineering Design (PLTW)	Tier II
Offered at: Arlington Heights, Benbrook, Dunbar, Eastern Hills, O.D. Wyatt, Paschal, Polytechnic, Southwest, YMLA,	
WLA	
HONORS COMPUTER INTEGRATED MANUFACTURING AB (PLTW) (CIM AB/H)	STH37482AB
his is a course of study in the PLTW program. Manufactured items are part of everyday life, yet most students	N1303748
ave not been introduced to the high-tech, innovative nature of modern manufacturing. This course illuminates	Grade level: 11 - 12
he opportunities related to understanding manufacturing. At the same time, it teaches students about	HS Credit(s): 1
nanufacturing processes, product design, robotics, and automation. In addition to the regular course curriculum,	
tudents in the honors course will complete additional projects and activities related to the program of study.	
	College Hour(s): NA
nstructional Material: Project Lead the Way materials furnished by CTE department	conege Hour(s). Turk
nstructional Material: Project Lead the Way materials furnished by CTE department rerequisite(s): Introduction to Engineering Design (PLTW)	Tier II
nstructional Material: Project Lead the Way materials furnished by CTE department rerequisite(s): Introduction to Engineering Design (PLTW)	-
nstructional Material: Project Lead the Way materials furnished by CTE department rerequisite(s): Introduction to Engineering Design (PLTW) Iffered at: YMLA and Diamond Hill-Jarvis	-
	Tier II
nstructional Material: Project Lead the Way materials furnished by CTE department rerequisite(s): Introduction to Engineering Design (PLTW) Offered at: YMLA and Diamond Hill-Jarvis HONORS AEROSPACE ENGINEERING AB (PLTW) (AERO AB/H) his course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the	Tier II STH37452AB
nstructional Material: Project Lead the Way materials furnished by CTE department rerequisite(s): Introduction to Engineering Design (PLTW) Offered at: YMLA and Diamond Hill-Jarvis HONORS AEROSPACE ENGINEERING AB (PLTW) (AERO AB/H) his course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the hysics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They	STH37452AB N1303745
Instructional Material: Project Lead the Way materials furnished by CTE department Interequisite(s): Introduction to Engineering Design (PLTW) Infered at: YMLA and Diamond Hill-Jarvis INTERIOR AEROSPACE ENGINEERING AB (PLTW) (AERO AB/H) In this course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the shysics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They earn basic orbital mechanics using industry-standard software. They also explore robot systems through projects	STH37452AB N1303745 Grade level: 11-12
Instructional Material: Project Lead the Way materials furnished by CTE department Interequisite(s): Introduction to Engineering Design (PLTW) Interequisite(s): I	STH37452AB N1303745 Grade level: 11-12
Instructional Material: Project Lead the Way materials furnished by CTE department prerequisite(s): Introduction to Engineering Design (PLTW) Instructional Material: Project Lead the Way materials furnished by CTE department prerequisite(s): Introduction to Engineering Design (PLTW) Instructional Material: Project Lead the Way materials furnished by CTE department of the Materials of the Mate	STH37452AB N1303745 Grade level: 11-12 HS Credit(s): 1
Instructional Material: Project Lead the Way materials furnished by CTE department rerequisite(s): Introduction to Engineering Design (PLTW) Offered at: YMLA and Diamond Hill-Jarvis HONORS AEROSPACE ENGINEERING AB (PLTW) (AERO AB/H) his course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the hysics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They earn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles. In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Project Lead the Way materials furnished by CTE department	STH37452AB N1303745 Grade level: 11-12
Instructional Material: Project Lead the Way materials furnished by CTE department rerequisite(s): Introduction to Engineering Design (PLTW) Instructional Material: Project Lead the Way materials furnished by CTE department rerequisite(s): Introduction to Engineering Design (PLTW) IONORS AEROSPACE ENGINEERING AB (PLTW) (AERO AB/H) In this course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the hysics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They have basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles. In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Project Lead the Way materials furnished by CTE department rerequisite(s): Introduction to Engineering Design (PLTW)	Tier II STH37452AB N1303745 Grade level: 11-12 HS Credit(s): 1 College Hour(s): NA
Instructional Material: Project Lead the Way materials furnished by CTE department rerequisite(s): Introduction to Engineering Design (PLTW) Offered at: YMLA and Diamond Hill-Jarvis HONORS AEROSPACE ENGINEERING AB (PLTW) (AERO AB/H) his course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the hysics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They earn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles. In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Project Lead the Way materials furnished by CTE department rerequisite(s): Introduction to Engineering Design (PLTW) Offered at: Carter-Riverside, South Hills, Western Hills	Tier II STH37452AB N1303745 Grade level: 11-12 HS Credit(s): 1 College Hour(s): NA Tier II
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Instructional Material: Project Lead the Way materials furnished by CTE department (Perequisite(s): Introduction to Engineering Design (PLTW) (Defered at: YMLA and Diamond Hill-Jarvis (PLTW) (AERO AB/H) (PLTW)	Tier II STH37452AB N1303745 Grade level: 11-12 HS Credit(s): 1 College Hour(s): NA Tier II STH37472AB N1303747 Grade level: 11-12
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Instructional Material: Project Lead the Way materials furnished by CTE department rerequisite(s): Introduction to Engineering Design (PLTW) Interval and Diamond Hill-Jarvis INTERVALA and Space flight Interval and space flight Interv	Tier II STH37452AB N1303745 Grade level: 11-12 HS Credit(s): 1 College Hour(s): NA Tier II STH37472AB N1303747 Grade level: 11-12

HONORS ENGINEERING DESIGN AND DEVELOPMENT AB (PLTW) (EDD AB/H)	STH37492AB
This honors course is an engineering research course in which the students work in teams to research, design, and construct a solution to an open-ended engineering problem. The product development lifecycle and a design process will be used to guide and help the team reach a solution to the problem. The team will present	N1303749 Grade level: 11 - 12 HS Credit(s): 1
and defend your solution to a panel of outside reviewers at the end of the school year. Engineering Design and Development™ serves as the capstone course within the Project Lead the Way® course sequence and allows students to apply all the skills and knowledge learned in the previous Project Lead the Way, Inc. courses. Inventor,	
which is a state of the art 3-D design software package from AutoDesk, will be used for students to design solutions to the problem the teams have chosen. This course will also test their time management and team skills, which are a valuable asset for the future. In addition to the regular course curriculum, students in the honors	
course will complete additional projects and activities related to the program of study. Instructional Material: Project Lead the Way materials furnished by CTE department	College Hour(s): NA
Prerequisite(s): Engineering Design and Presentation I	Tier II
Offered at: I.M. Terrell	
HONORS UNPAID PRACTICUM IN STEM/d AB (PRACSTEM AB/H)	STH37402AB
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of	13037400
career and technical education courses within their designated program of study. This course is designed to give	Grade level: 12
students supervised practical application of previously studied knowledge and skills. Practicum experiences can	HS Credit(s): 2
occur in a variety of locations appropriate to the nature and level of experience. In addition, students in this	
honors course will complete a project using the five phases of project management used in the business and	
industry environment. Practicum capstone experiences can occur in a variety of locations appropriate to the	
nature and level of experiences such as independent study, assistantships, mentorships, or laboratories. The	
various in-class capstone experiences include students working in a simulated environment, running an	
enterprise, or be involved in program-specific local projects the school has approved for this class. Additional capstone experiences also include students being selected to be a part of a work-based experience or industry	
training off-site, outside of school. In addition to the regular course curriculum, students in the honors course	
will complete additional projects and activities related to the program of study.	
<u>instructional Material</u> : Contact Career and Technical Education Director for related materials	College Hour(s): NA
Prerequisite(s): Medical Interventions (PLTW), Medical Microbiology, Engineering Design and Development	Tier II
(PLTW), or Engineering Design and Presentation II/D	
Offered only at: I.M. Terrell, TABS, and Trimble Tech	
HONORS PAID PRACTICUM IN STEM/EXTENDED AB (EXPRSTEM1 AB/H)	STH37405AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13037405
activities related to the program of study.	Grade level: 12
nstructional Material: Contact Career and Technical Education Director for related materials	HS Credit(s): 3
Prerequisite(s): Engineering Science (PLTW), Computer Integrated Manufacturing (PLTW), Aerospace Engineering	College Hour(s): NA
(PLTW), Civil Engineering and Architecture (PLTW), Engineering Design and Development (PLTW), or Engineering	Tier II
Design and Presentation II/D	
Offered at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, I.M. Terrell, North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Trimble Tech, Western Hills, YMLA, YWLA	
HONORS PAID PRACTICUM IN STEM AB (PRACSTEM AB/H)	STH37409AB
This practicum course is a paid capstone experience for students participating in a coherent sequence of career	13037400
and technical education courses within their designated program of study. This course is designed to give	Grade level: 12
students supervised practical application of previously studied knowledge and skills. Practicum experiences can	HS Credit(s): 2
occur in a variety of locations appropriate to the nature and level of experience. A student must be a minimum	113 Cicuit(3). L
age of 16 and hold valid work documentation, such as a Social Security card, to enroll in any of the practicum	
learning experiences. In order to receive course credit, this course requires that students make a full year	
commitment to this course and their employment, must have related classroom instruction that averages one	
class period per week during the school year, are employed for ten (10) hours per week (or average of 20 hours	
across two weeks) at an approved site within ten days of the beginning of the course. Work hours can be	
ncluded during the school day or outside of school hours. If work hours are during the school day, students can	
be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students'	
projected graduation plan. In addition to the regular course curriculum, students in the honors course will	
complete additional projects and activities related to the program of study.	
Instructional Material: Contact Career and Technical Education Director for related materials	College Hour(s): NA
Prerequisite(s): Engineering Science (PLTW), Computer Integrated Manufacturing (PLTW), Aerospace Engineering (PLTW), Civil Engineering and Architecture (PLTW), Engineering Design and Development (PLTW), or Engineering	Tier II
Design and Presentation II/D	
Design and Presentation II/D Offered at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, I.M. Terrell,	

North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Trimble Tech, Western Hills, YMLA, YWLA

PRINCIPLES OF APPLIED ENGINEERING AB (PRAPPENG AB)	ST36202AB
rinciples of Applied Engineering provides an overview of the various fields of science, technology, engineering,	13036200
nd mathematics and their interrelationships. Students will develop engineering communication skills, which	Grade level: 9
nclude computer graphics, modeling, and presentations, by using a variety of computer hardware and software	HS Credit(s): 1
applications to complete assignments and projects. Upon completing this course, students will understand the	
various fields of engineering and will be able to make informed career decisions. Further, students will have	
worked on a design team to develop a product or system. Students will use multiple software applications to	
prepare and present course assignments.	
Instructional Material: Principles of Applied Engineering, Texas Edition Reid, et al. 2017, Pearson Education	College Hour(s): NA
Prerequisite(s): None	Tier III
Offered at: Trimble Tech and I.M. Terrell	CT112C202AD
HONORS PRINCIPLES OF APPLIED ENGINEERING AB (PRAPPENG AB/H) n addition to the regular course curriculum, students in the honors course will complete additional projects and	STH36202AB 13036200
rradultion to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	Grade level: 9
nstructional Material: Principles of Applied Engineering, Texas Edition Reid, et al. 2017, Pearson Education	HS Credit(s): 1
Prerequisite(s): None	College Hour(s): NA
Offered at: Trimble Tech and I.M. Terrell	Tier II
ENGINEERING DESIGN AND PRESENTATION I AB (ENGDSPR AB)	ST36502AB
ingineering Design and Presentation I is a continuation of knowledge and skills learned in Principles of Applied	13036500
ngineering. Students enrolled in this course will demonstrate knowledge and skills of the design process as it	Grade level: 10
applies to engineering fields using multiple software applications and tools necessary to produce and present	HS Credit(s): 1
working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and	• •
oftware applications to complete assignments and projects. Through implementation of the design process,	
tudents will transfer advanced academic skills to component designs. Additionally, students explore career	
opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in	
hese areas.	
nstructional Material: Exploring Drafting, Walker, et al, 2018, Goodheart-Willcox Co.	College Hour(s): NA
Prerequisite(s): Principles of Applied Engineering	Tier III
Offered at: Trimble Tech and I.M. Terrell	CTI I 2 CE C 2 C 2
HONORS ENGINEERING DESIGN AND PRESENTATION I AB (ENGDSPR AB/H)	STH36502AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13036500
activities related to the program of study. <u>nstructional Material</u> : Exploring Drafting, Walker, et al, 2018, Goodheart-Willcox Co.	Grade level: 10 HS Credit(s): 1
<u>nstructional Material:</u> <i>Exploring Dra_lting, Walker, et al., 2018,</i> Goodneart-Willcox Co. <u>Prerequisite(s)</u> : Principles of Applied Engineering	College Hour(s): NA
orerequisite(s). Principles of Applied Engineering Offered at: Trimble Tech and I.M. Terrell	Tier II
ENGINEERING DESIGN AND PRESENTATION II/D AB (ENGDP2 AB)	ST36602AB
This double-period course is a continuation of knowledge and skills learned in Engineering Design and	13036600 13036600
Presentation I. Students enrolled in this course will demonstrate knowledge and skills of the design process as it	Grade level: 11
applies to engineering fields using multiple software applications and tools necessary to produce and present	HS Credit(s): 2
working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and	. 10 Cicaido). 2
software applications to complete assignments and projects. Through implementation of the design process,	
students will transfer advanced academic skills to component designs. Emphasis will be placed on using skills from	
deation through prototyping.	
nstructional Material: Contact Career and Technical Education Director for related materials	College Hour(s): NA
Prerequisite(s): Engineering Design and Presentation I	Tier III
Offered at: Trimble Tech	
HONORS ENGINEERING DESIGN AND PRESENTATION II/D AB (ENGDP2 AB/H)	STH36602 AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13036600
activities related to the program of study.	Grade level: 11
nstructional Material: Contact Career and Technical Education Director for related materials	HS Credit(s): 2
Prerequisite(s): Engineering Design and Presentation I	College Hour(s): NA
Offered at: Trimble Tech	Tier II
ROBOTICS I AB (ROBOT 1AB)	ST37002AB
n Robotics I, students will transfer academic skills to component designs in a project-based environment	13037000
hrough implementation of the design process. Students will build prototypes or use simulation software to test	Grade level: 10-12
heir designs. Additionally, students will explore career opportunities, employer expectations, and educational	HS Credit(s): 1
needs in the robotic and automation industry.	
nstructional Material: Industrial Robotics, Goodheart-Willcox Co.	College Hour(s): NA
·	Tier III
Offered at: Arlington Heights Renhrook Carter-Riverside Diamond Hill-langis Dunhar Eastern Hills I.M. Torroll	
Prerequisite(s): None Offered at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, I.M. Terrell,	Tier III

North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Trimble Tech, Western Hills, YMLA and YWLA

HONORS ROBOTICS I AB (ROBOT 1AB/H)	STH37002AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13037000
activities related to the program of study.	Grade level: 10-12
<u>nstructional Material</u> : Industrial Robotics, Goodheart-Willcox Co. Prerequisite(s): None	HS Credit(s): 1
<u>Herequisite(s).</u> None Offered at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, I.M. Terrell,	College Hour(s): NA Tier II
North Side, O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Trimble Tech, Western Hills, YMLA and YWLA	i ici ii
ENGINEERING DESIGN AND PROBLEM SOLVING AB (ENGDPRS AB)	ST37302AB
The Engineering Design and Problem Solving course is the creative process of solving problems by identifying	13037300
needs and then devising solutions. The solution may be a product, technique, structure, or process depending on	Grade level: 12
the problem. Science aims to understand the natural world, while engineering seeks to shape this world to meet	HS Credit(s): 1
human needs and wants. Engineering design takes into consideration limiting factors or "design under	
constraint." Various engineering disciplines address a broad spectrum of design problems using specific concepts	
from the sciences and mathematics to derive a solution. The design process and problem solving are inherent to	
all engineering disciplines. This course satisfies a high school science graduation requirement. Students shall be	
awarded one credit for successful completion of this course.	
Instructional Material: Engineering Fundamentals: Introduction 4th Edition, Cengage; Project Lead the Way	College Hour(s): NA
materials furnished by CTE department (for select campuses and programs)	Tier III
<u>Prerequisite(s)</u> : Engineering Design and Presentation II, Computer Integrated Manufacturing (PLTW), Aerospace Engineering (PLTW), Engineering Science (PLTW), or Civil Engineering and Architecture (PLTW)	
Course taught by a certified secondary science teacher or any CTE teacher with a baccalaureate degree and 18	
semester credit hours in any combination of sciences. 19 TAC Chapter 231.	
Offered at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side,	
O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Trimble Tech, Western Hills, YMLA, YWLA	
HONORS ENGINEERING DESIGN AND PROBLEM SOLVING AB (ENGDPRS AB/H)	STH37302AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13037300
activities related to the program of study.	Grade level: 12
Instructional Material: Engineering Fundamentals: Introduction 4th Edition, Cengage; Project Lead the Way	HS Credit(s): 1
materials furnished by CTE department (for select campuses and programs)	College Hour(s): NA
Prerequisite(s): Engineering Design and Presentation II, Computer Integrated Manufacturing (PLTW), Aerospace	Tier II
Engineering (PLTW), Engineering Science (PLTW), or Civil Engineering and Architecture (PLTW) Course taught by locally certified secondary science teacher or any CTE teacher with a baccalaureate degree and 18	
semester credit hours in any combination of sciences. 19 TAC Chapter 231.	
Offered at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side,	
O.D. Wyatt, Paschal, Polytechnic, South Hills, Southwest, Trimble Tech, Western Hills, YMLA, YWLA	
O.D. WYALL, FUSCIAL, FUILLELIING, SOULIT ILLIS, SOULIIWESL, THIIDLE TECH, WESLETH FILLS, TITLA, TWLA	
	ST37003AB
ROBOTICS II AB (ROBOTIC 2AB)	ST37003AB 13037050
ROBOTICS II AB (ROBOTIC 2AB) In Robotics II, students will explore artificial intelligence and programming in the robotic and automation	
ROBOTICS II AB (ROBOTIC 2AB) In Robotics II, students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component	13037050
ROBOTICS II AB (ROBOTIC 2AB) In Robotics II, students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs. Instructional Material: Industrial Robotics, Goodheart-Willcox Co.	13037050 Grade level: 11-12
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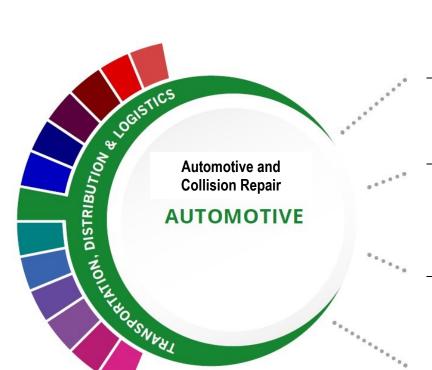
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
<u>Prerequisite(s)</u> : To receive 4th year science credit students must have completed three (3) units of science	Tier III
(Biology, Chemistry, Physics) one (1) of which may be taken concurrently	
130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20	
Offered at: TABS	
HONORS SCIENTIFIC RESEARCH AND DESIGN AB (SCIRD AB/H)	STH37202AB
	STH37212AB (2 nd Time)
In addition to the regular course curriculum, students in the honors course will complete additional projects and	130372##
activities related to the program of study.	Grade level: 11 - 12
Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 1
Prerequisite(s): To receive 4th year science credit students must have completed three (3) units of science	College Hour(s): NA
(Biology, Chemistry, and Physics) one (1) of which may be taken concurrently	Tier II
130372##: 1st Time Taken ##=00, 2nd Time Taken ##=10, 3rd Time Taken ##=20	
Course taught by locally certified gifted teacher	
Offered at: TABS	



Transportation, Distribution, and Logistics

Automotive and Collision Repair

Aviation Maintenance



Principles of Transportation Systems²:

TP39201AB OR TPH39201AB

10th Automotive Basics^{1,2}:
TP39300AB OR TPH39300AB

Automotive Technology I/d^{1,2}:

TP39602AB OR TPH39602AB

11th OR

9th

Dual Credit Automotive Technology I/d1,2:

TPD39602A, TPD39602B

(Only available at OD Wyatt & Polytechnic HS)

Automotive Technology II/d1,2:

TP39702AB OR TPH39702AB

OR

Dual Credit Automotive Technology II/d^{1,2}:

12th TPD39702A, TPD39702B (Only available at OD Wyatt & Polytechnic HS)

OR

Paid Practicum in Transportation Systems²:

TP40410AB OR TPH40410AB

Enrichment Courses:

N/A

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Automotive Service Excellence (ASE) Entry Level (Exams G1, A4, A5, and A6)
- Not Counted towards Performance Acknowledgment: Safety and Pollution Prevention (S/P2)²

Available At:

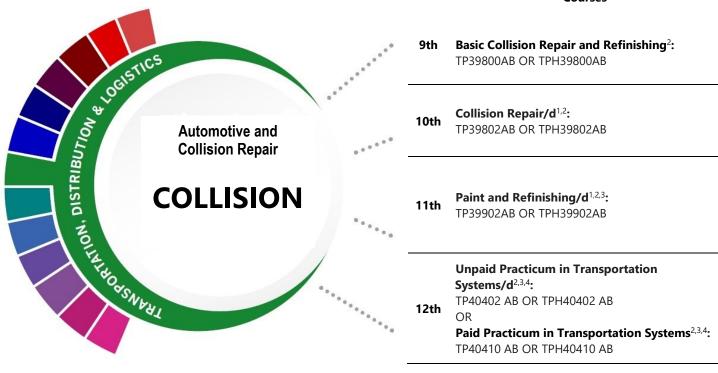
- Dunbar HS
- Polytechnic HS
- North Side HS
- Trimble Technical HS
- OD Wyatt HS

The Automotive program of study teaches students how to repair and refinish automobiles and service various types of vehicles. Students may learn to collect payment for services or supplies and perform typical vehicle maintenance procedures such as lubrication, oil changes, installation of antifreeze, or replacement of accessories like wiper blades or tires.



The Transportation, Distribution, and Logistics Career Cluster® focuses on careers in planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Successful completion of the Automotive program of study will fulfill requirements of the Business and Industry Endorsement. Revised - July 2020



Enrichment Courses:

N/A

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Automotive Service Excellence (ASE) Entry Level (Exams B2, B3, and B4)¹
- Not Counted towards Performance Acknowledgment: Safety and Pollution Prevention (S/P2)²; Inter-Industry Conference on Auto Collision Repair (I-CAR) Certification³; Automotive Service Excellence (ASE) Entry Level (Exam B6)⁴

Available At:

• Trimble Technical HS

The Automotive program of study teaches students how to repair and refinish automobiles and service various types of vehicles. Students may learn to collect payment for services or supplies and perform typical vehicle maintenance procedures such as lubrication, oil changes, installation of antifreeze, or replacement of accessories like wiper blades or tires.



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9th Introduction to Aircraft Technology: TP39401 AB OR TPH39401 AB

Occupational Safety and Environmental

10th Technology I¹:

TP03680 AB OR TPH03680 AB

11th Aircraft Airframe Technology/d¹:

TP39402 AB OR TPH39402 AB

Aircraft Powerplant Technology/d²:

TP39502 AB OR TPH39502 AB

OR

12th

Unpaid Practicum in Transportation Systems/d:

TP40402 AB OR TPH40402 AB

Paid Practicum in Transportation Systems:

TP40410 AB OR TPH40410 AB

Enrichment Courses:

N/A

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Part 107¹
- Not Counted towards Performance Acknowledgment: FAA General Subject Certificate of Completion² (Hours toward FAA General Certificate); OSHA 10-Hour General Industry Certification¹

Available At:

Dunbar HS

The Aviation Maintenance program of study introduces students to the occupations and education opportunities related to inspecting aircraft, maintenance procedures, air navigational aids, air traffic controls, and communications equipment to ensure conformance with federal safety regulations.



The Transportation, Distribution, and Logistics Career Cluster® focuses on careers in planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Successful completion of the Aviation program of study will fulfill requirements of the Business and Industry Endorsement. Revised – July 2020

COURSE DESCRIPTIONS FOR TRANSPORTATION, DISTRIBUTION, & LOGISTICS CLASSES

RINCIPLES OF TRANSPORTATION SYSTEMS: AUTOMOTIVE (PRINTAUTO AB)	TP39201AB
Principles of Transportation Systems: Automotive, students will gain knowledge and skills in the safe	13039250
pplication, design, production, and assessment of products, services, and systems. This knowledge includes the	Grade level: 9 - 10
istory, laws and regulations, and common practices used in the transportation industry. The emphasis will be on	HS Credit(s): 1
ne automotive industry. Students should apply knowledge and skills in the application, design, and production of	
echnology as it relates to the transportation industries. This course allows students to reinforce, apply, and	
ransfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and ettings.	
nstructional Material: Architecture, Construction, Transportation and Manufacturing, iCEV	College Hour(s): NA
rerequisite(s): None	Tier III
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, OD Wyatt	
IONORS PRINCIPLES OF TRANSPORTATION SYSTEMS: AUTOMOTIVE (PRINTAUTO AB/H)	TPH39201AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13039250
ctivities related to the program of study.	Grade level: 9 - 10
nstructional Material: Architecture, Construction, Transportation and Manufacturing, iCEV	HS Credit(s): 1
rerequisite(s): None	College Hour(s): NA
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, OD Wyatt	Tier II
NTRODUCTION TO AIRCRAFT TECHNOLOGY AB (INAIRTEC AB)	TP39401AB
ntroduction to Aircraft Technology is designed to teach the theory of operation of aircraft airframes, power	13039350
lants, avionics systems and associated maintenance and repair practices. Maintenance and repair practices aclude knowledge of the function, diagnosis, and service of general curriculum subjects, airframe structures,	Grade level: 9 - 10 HS Credit(s): 1
irframe systems and components, power plant theory and maintenance, and power plant systems and the	113 Cleuit(S). I
lectrical, electronic, hydraulic, pneumatic, airframe, mechanical, and power plant components of aircrafts. Industry	
ecognized professional licensures, certifications, and registrations are available for students who meet the	
equirements set forth by the accrediting organization.	
nstructional Material: Contact Career and Technical Education for related materials	College Hour(s): NA
<u>rerequisite</u> : None	Tier III
Offered at: Dunbar	
IONORS INTRODUCTION TO AIRCRAFT TECHNOLOGY AB (INAIRTEC AB/H)	TPH39401AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13039350
ctivities related to the program of study.	Grade level: 9 - 10
nstructional Material: Contact Career and Technical Education for related materials	HS Credit(s): 1
<u>rerequisite</u> : None Offered at: Dunbar	College Hour(s): NA Tier II
OCCUPATIONAL SAFETY AND ENVIRONMENTAL TECHNOLOGY AB (OSET1 AB)	TP03680AB
his course provides high school students with the opportunity to learn and apply specific in-depth	N1303680
rofessional and technical skills related to high-wage, high-demand occupations in Aviation	Grade level: 10 – 12
Naintenance career cluster. This course prepares students in the high school aviation	HS Credit(s): 1
naintenance career cluster. This course prepares students in the high school aviation	
Ouring Occupational Safety & Environmental Technology (OSET) I, students will investigate the field	
f Occupational Safety and Health Administration and Environmental Technology, which is charged	
rith the tasks of ensuring that business and industry provide a safe workplace, free from hazards and	
ringing about a reduction in the occurrence of job-related injuries and fatalities.	
nstructional Material: Contact Career and Technical Education for related materials	College Hour(s): NA
rerequisite: Introduction to Aircraft Technology	Tier III
Offered at: Dunbar	
IONORS OCCUPATIONAL SAFETY AND ENVIRONMENTAL TECHNOLOGY AB (OSET1 AB/H)	TPH03680AB
	N1303680
n addition to the regular course curriculum, students in the honors course will complete additional projects and	Grade level: 10 - 12
ctivities related to the program of study.	110 0 111/11
ctivities related to the program of study. astructional Material: Contact Career and Technical Education for related materials	HS Credit(s): 1
ctivities related to the program of study. nstructional Material: Contact Career and Technical Education for related materials rerequisite: Introduction to Aircraft Technology	College Hour(s): NA
ctivities related to the program of study. <u>nstructional Material</u> : Contact Career and Technical Education for related materials <u>rerequisite</u> : Introduction to Aircraft Technology <u>offered at: Dunbar</u>	College Hour(s): NA Tier II
ctivities related to the program of study. Instructional Material: Contact Career and Technical Education for related materials Instructional Material: Contact Career and Technical Education for related materials Instructional Material: Contact Career and Technology Instructional M	College Hour(s): NA Tier II TP39402AB
ctivities related to the program of study. Instructional Material: Contact Career and Technical Education for related materials Introduction to Aircraft Technology Iffered at: Dunbar INCRAFT AIRFRAME TECHNOLOGY/D AB (AIRTEC AB) his course is a double-period technical laboratory course designed to provide training for entry-level	College Hour(s): NA Tier II TP39402AB 13039400
ctivities related to the program of study. Instructional Material: Contact Career and Technical Education for related materials Introduction to Aircraft Technology Interest at: Dunbar INTRODUCTOR AB (AIRTEC AB) In scourse is a double-period technical laboratory course designed to provide training for entry-level mployment in the aerospace aviation industry. It teaches the theory of operation of aircraft airframes, power	College Hour(s): NA Tier II TP39402AB 13039400 Grade level: 10 - 11
ctivities related to the program of study. Instructional Material: Contact Career and Technical Education for related materials Introduction to Aircraft Technology Instructional Material: Contact Career and Technical Education for related materials Introduction to Aircraft Technology Instructional Material: Contact Career and Technology Instructional Material Ma	College Hour(s): NA Tier II TP39402AB 13039400
ctivities related to the program of study. Instructional Material: Contact Career and Technical Education for related materials Introduction to Aircraft Technology Infered at: Dunbar INIRCRAFT AIRFRAME TECHNOLOGY/D AB (AIRTEC AB) In scourse is a double-period technical laboratory course designed to provide training for entry-level mployment in the aerospace aviation industry. It teaches the theory of operation of aircraft airframes, power lants, and avionics systems and associated maintenance and repair practices. Aircraft services include knowledge f the function, diagnosis, and service of the electrical, electronic, hydraulic, pneumatic, airframe, mechanical, and	College Hour(s): NA Tier II TP39402AB 13039400 Grade level: 10 - 11
ctivities related to the program of study. Instructional Material: Contact Career and Technical Education for related materials Introduction to Aircraft Technology Instructional Material: Contact Career and Technical Education for related materials Introduction to Aircraft Technology Instructional Material: Contact Career and Technology Instructional Material Ma	College Hour(s): NA Tier II TP39402AB 13039400 Grade level: 10 - 11

Instructional Material: Contact Career and Technical Education for related materials Propoguicito(c): Introduction to Aircraft Technology	College Hour(s): NA
<u>Prerequisite(s)</u> : Introduction to Aircraft Technology Offered at: Dunbar	Tier III
HONORS AIRCRAFT AIRFRAME TECHNOLOGY/D AB (AIRTECH AB/H)	TPH39402AB
n addition to the regular course curriculum, students in the honors course will complete additional projects and	13039400
activities related to the program of study.	Grade level: 10 – 11
Instructional Material: Contact Career and Technical Education for related materials	HS Credit(s): 2
Prerequisite(s): Introduction to Aircraft Technology	College Hour(s): NA
Offered at: Dunbar	Tier II
AIRCRAFT POWERPLANT TECHNOLOGY/D AB (AIRPPTEC AB)	TP39502AB
Aircraft Powerplant Technology is designed to teach the theory of operation of aircraft powerplants and	13039500
associated maintenance and repair practices. Powerplant maintenance and repair practices include knowledge of	Grade level: 11 – 12
the theory, function, diagnosis, and service of powerplant, systems, and components of aircraft. Industry-	HS Credit(s): 2
recognized professional licensures, certifications, and registrations are available for students who meet the	
requirements set forth by the accrediting organization.	
Instructional Material: Contact Career and Technical Education for related materials	College Hour(s): NA
<u>Prerequisite(s)</u> : Aircraft Technology/D Offered at: Dunbar	Tier III
HONORS AIRCRAFT POWERPLANT TECHNOLOGY/D AB (AIRPPTEC AB/H)	TPH39502AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13039500
activities related to the program of study.	Grade level: 11 – 12
<u>Instructional Material</u> : Contact Career and Technical Education for related materials_	HS Credit(s): 2
<u>Prerequisite(s)</u> : Aircraft Technology/D	College Hour(s): NA
Offered at: Dunbar	Tier II
AUTOMOTIVE BASICS AB (AUTOBASC AB)	TP39300AB
Automotive Basics includes knowledge of the basic automotive systems and the theory and principles of the	13039550
components that make up each system and how to service these systems. Automotive Basics includes applicable	Grade level: 10 - 11
safety and environmental rules and regulations. In Automotive Basics, students will gain knowledge and skills in	HS Credit(s): 1
the repair, maintenance, and servicing of vehicle systems. This study allows students to reinforce, apply, and	
transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.	
The focus of this course is to teach safety, tool identification, proper tool use, and employability.	
Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning	College Hour(s): NA
Prerequisite(s): Principles of Transportation Systems: Automotive	Tier III
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and OD Wyatt	
HONORS AUTOMOTIVE BASICS AB (AUTOBASC AB/H)	TPH39300AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13039550 Grade level: 10 – 11
Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning	HS Credit(s): 1
Prerequisite(s): Principles of Transportation Systems: Automotive	College Hour(s): NA
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and OD Wyatt	Tier II
AUTOMOTIVE TECHNOLOGY: MAINTENANCE AND LIGHT REPAIR I/D AB (AUTOTEC 1AB)	TP39602AB
This double-period course continues to prepare students for entry-level employment in the automotive and	13039600
diesel technology fields. Students gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle	Grade level: 11 - 12
systems. Students use National Automotive Technician Education Foundation (NATEF) standards to develop skills	HS Credit(s): 2
in the service and repair of vehicle components: electrical/electronic systems, suspensions and steering.	
Entrepreneurship, safety, and career opportunities are included. This is an Automotive Service Excellence (ASE)	
certified program.	
Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning	College Hour(s): NA
Prerequisite(s): Automotive Basics	Tier III
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and OD Wyatt	
HONORS AUTOMOTIVE TECHNOLOGY: MAINTENANCE AND LIGHT REPAIR I/D AB	TPH39602AB
(AUTOTEC AB/H)	12020600
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13039600
activities related to the program of study.	Grade level: 11 – 12
Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning	HS Credit(s): 2 College
<u>Prerequisite(s)</u> : Automotive Basics Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and OD Wyatt	Hour(s): NA Tier II
DUAL CREDIT AUTOMOTIVE TECHNOLOGY: MAINTENANCE AND LIGHT REPAIR I/D A	TPD39602A
(AUTOTEC1A DC)	
TCC Course: (AUMT 1405) Introduction to Automotive Technology *Course offerings may vary each year due to availability	
In this dual credit class, students will be introduced to the automotive industry including automotive history, safety	13039600
practices, shop equipment and tools, vehicle subsystems, service publications, professional responsibilities and	Grade level: 11 - 12
basic automotive maintenance. May be taught manufacturer specific. Operation and repair of drum/disc type	HS Credit(s): 1
	` '
brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and	

Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning	College Hour(s): 4
TCC Course: Introduction to Automotive Technology (AUMT 1405)	Tier I
WISD Prerequisite(s): Automotive Basics	
TCC Prerequisite(s): TSI	
Course taught by an approved embedded instructor. Offered at: Polytechnic and OD Wyatt	
DUAL CREDIT AUTOMOTIVE TECHNOLOGY: MAINTENANCE AND LIGHT REPAIR I/D B	TPD39602B
(AUTOTEC1B DC)	170330020
TCC Course: (AUMT 1407) Automotive Electrical Systems	
*Course offerings may vary each year due to availability	
In this dual credit class, students will learn about electrical systems including topics in operational theory,	13039600
testing, diagnosis, and repair of, charging and starting systems, and electrical accessories. Emphasis on electrical	Grade level: 11 - 12
principles, schematic diagrams, and service manuals. May be taught manufacturer specific.	HS Credit(s): 1
Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning	College Hour(s): 4
TCC Course: Automotive Engine Performance Analysis I (AUMT 1407)	Tier I
FWISD Prerequisite(s): Dual Credit Automotive Technology 1/D A	
TCC Prerequisite(s): TSI, AUMT 1405	
Course taught by an approved embedded instructor.	
Offered at: Polytechnic and OD Wyatt	TD20702AP
AUTOMOTIVE TECHNOLOGY: AUTOMOTIVE SERVICE II/D AB (AUTOTEC 2AB) Students in this double period laboratory course continue training for entry level employment in an automative	TP39702AB
Students in this double-period laboratory course continue training for entry-level employment in an automotive technology career field. The course includes use of National Automotive Technician Education Foundation	13039700 Grade level: 12
(NATEF) standards in the service and repair of the vehicle component of Automotive Engine Performance.	HS Credit(s): 2
Entrepreneurship, safety, and leadership training are included. This is an Automotive Engine renormance.	113 CICAIL(3). L
certified program.	
Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning	College Hour(s): NA
Prerequisite(s): Automotive Technology I/D	Tier III
Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt	
HONORS AUTOMOTIVE TECHNOLOGY: AUTOMOTIVE SERVICE II/D AB (AUTOTEC 2AB/H)	TPH39702AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13039700
activities related to the program of study.	Grade level: 12
Instructional Material: CDV Fundamentals of Automotive Technology, Jones and Partlett Learning	HS Credit(s): 2
Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning	` '
Prerequisite(s): Automotive Technology I/D	College Hour(s): NA
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt	College Hour(s): NA Tier II
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC)	College Hour(s): NA
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems	College Hour(s): NA Tier II
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability	College Hour(s): NA Tier II TPD39702A
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems	College Hour(s): NA Tier II
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems.	College Hour(s): NA Tier II TPD39702A 13039700
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and parking brakes.	College Hour(s): NA Tier II TPD39702A 13039700 Grade level: 12
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and parking brakes. May be taught with manufacturer-specific instructions. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 1410)	College Hour(s): NA Tier II TPD39702A 13039700 Grade level: 12 HS Credit(s): 1
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and parking brakes. May be taught with manufacturer-specific instructions. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 1410) FWISD Prerequisite(s): Dual Credit Automotive Technology I/D B	College Hour(s): NA Tier II TPD39702A 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and parking brakes. May be taught with manufacturer-specific instructions. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 1410) FWISD Prerequisite(s): Dual Credit Automotive Technology I/D B TCC Pererequisite(s): TSI, AUMT 1407	College Hour(s): NA Tier II TPD39702A 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and parking brakes. May be taught with manufacturer-specific instructions. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 1410) FWISD Prerequisite(s): Dual Credit Automotive Technology I/D B TCC Prerequisite(s): TSI, AUMT 1407 Course taught by an approved embedded instructor.	College Hour(s): NA Tier II TPD39702A 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and parking brakes. May be taught with manufacturer-specific instructions. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 1410) FWISD Prerequisite(s): TSI, AUMT 1407 Course taught by an approved embedded instructor. Offered at: Polytechnic and OD Wyatt	College Hour(s): NA Tier II TPD39702A 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4 Tier I
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and parking brakes. May be taught with manufacturer-specific instructions. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 1410) FWISD Prerequisite(s): Dual Credit Automotive Technology I/D B TCC Prerequisite(s): TSI, AUMT 1407 Course taught by an approved embedded instructor. Offered at: Polytechnic and OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D B (AUTOTEC 2B DC)	College Hour(s): NA Tier II TPD39702A 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and parking brakes. May be taught with manufacturer-specific instructions. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 1410) FWISD Prerequisite(s): Dual Credit Automotive Technology I/D B TCC Prerequisite(s): TSI, AUMT 1407 Course taught by an approved embedded instructor. Offered at: Polytechnic and OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D B (AUTOTEC 2B DC) TCC Course: (AUMT 2417) Automotive Engine Performance Analysis I	College Hour(s): NA Tier II TPD39702A 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4 Tier I
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and parking brakes. May be taught with manufacturer-specific instructions. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 1410) FWISD Prerequisite(s): Dual Credit Automotive Technology I/D B TCC Prerequisite(s): TSI, AUMT 1407 Course taught by an approved embedded instructor. Offered at: Polytechnic and OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D B (AUTOTEC 2B DC) TCC Course: (AUMT 2417) Automotive Engine Performance Analysis I *Course offerings may vary each year due to availability	College Hour(s): NA Tier II TPD39702A 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4 Tier I TPD39702B
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and parking brakes. May be taught with manufacturer-specific instructions. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 1410) FWISD Prerequisite(s): Dual Credit Automotive Technology I/D B TCC Prerequisite(s): TSI, AUMT 1407 Course taught by an approved embedded instructor. Offered at: Polytechnic and OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D B (AUTOTEC 2B DC) TCC Course: (AUMT 2417) Automotive Engine Performance Analysis I *Course offerings may vary each year due to availability In this dual credit class, students will learn about diagnosis and repair of emission systems, computerized engine	College Hour(s): NA Tier II TPD39702A 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4 Tier I TPD39702B 13039700
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and parking brakes. May be taught with manufacturer-specific instructions. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 1410) FWISD Prerequisite(s): Dual Credit Automotive Technology I/D B TCC Prerequisite(s): TSI, AUMT 1407 Course taught by an approved embedded instructor. Offered at: Polytechnic and OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D B (AUTOTEC 2B DC) TCC Course: (AUMT 2417) Automotive Engine Performance Analysis I *Course offerings may vary each year due to availability In this dual credit class, students will learn about diagnosis and repair of emission systems, computerized engine performance systems, and advanced ignition and fuel systems. Includes use of advanced engine performance	College Hour(s): NA Tier II TPD39702A 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4 Tier I TPD39702B 13039700 Grade level: 12
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and parking brakes. May be taught with manufacturer-specific instructions. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 1410) FWISD Prerequisite(s): Dual Credit Automotive Technology I/D B TCC Prerequisite(s): TSI, AUMT 1407 Course taught by an approved embedded instructor. Offered at: Polytechnic and OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D B (AUTOTEC 2B DC) TCC Course: (AUMT 2417) Automotive Engine Performance Analysis I *Course offerings may vary each year due to availability In this dual credit class, students will learn about diagnosis and repair of emission systems, computerized engine performance systems, and advanced ignition and fuel systems. Includes use of advanced engine performance diagnostic equipment. May be taught manufacturer specific.	College Hour(s): NA Tier II TPD39702A 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4 Tier I TPD39702B 13039700 Grade level: 12 HS Credit(s): 1
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and parking brakes. May be taught with manufacturer-specific instructions. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 1410) FWISD Prerequisite(s): TSI, AUMT 1407 Course taught by an approved embedded instructor. Offered at: Polytechnic and OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D B (AUTOTEC 2B DC) TCC Course: (AUMT 2417) Automotive Engine Performance Analysis I *Course offerings may vary each year due to availability In this dual credit class, students will learn about diagnosis and repair of emission systems, computerized engine performance systems, and advanced ignition and fuel systems. Includes use of advanced engine performance diagnostic equipment. May be taught manufacturer specific. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning	College Hour(s): NA Tier II TPD39702A 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4 Tier I TPD39702B 13039700 Grade level: 12
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and parking brakes. May be taught with manufacturer-specific instructions. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 1410) FWISD Prerequisite(s): Dual Credit Automotive Technology I/D B TCC Prerequisite(s): TSI, AUMT 1407 Course taught by an approved embedded instructor. Offered at: Polytechnic and OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D B (AUTOTEC 2B DC) TCC Course: (AUMT 2417) Automotive Engine Performance Analysis I *Course offerings may vary each year due to availability In this dual credit class, students will learn about diagnosis and repair of emission systems, computerized engine performance systems, and advanced ignition and fuel systems. Includes use of advanced engine performance diagnostic equipment. May be taught manufacturer specific.	College Hour(s): NA Tier II TPD39702A 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4 Tier I TPD39702B 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and parking brakes. May be taught with manufacturer-specific instructions. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 1410) FWISD Prerequisite(s): TSI, AUMT 1407 Course taught by an approved embedded instructor. Offered at: Polytechnic and OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D B (AUTOTEC 2B DC) TCC Course: (AUMT 2417) Automotive Engine Performance Analysis I *Course offerings may vary each year due to availability In this dual credit class, students will learn about diagnosis and repair of emission systems, computerized engine performance systems, and advanced ignition and fuel systems. Includes use of advanced engine performance diagnostic equipment. May be taught manufacturer specific. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 2417)	College Hour(s): NA Tier II TPD39702A 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4 Tier I TPD39702B 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and parking brakes. May be taught with manufacturer-specific instructions. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 1410) FWISD Prerequisite(s): Dual Credit Automotive Technology I/D B TCC Prerequisite(s): TSI, AUMT 1407 Course taught by an approved embedded instructor. Offered at: Polytechnic and OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D B (AUTOTEC 2B DC) TCC Course: (AUMT 2417) Automotive Engine Performance Analysis I *Course offerings may vary each year due to availability In this dual credit class, students will learn about diagnosis and repair of emission systems, computerized engine performance systems, and advanced ignition and fuel systems. Includes use of advanced engine performance diagnostic equipment. May be taught manufacturer specific. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 2417) FWISD Prerequisite(s): Dual Credit Automotive Technology II/D A	College Hour(s): NA Tier II TPD39702A 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4 Tier I TPD39702B 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and parking brakes. May be taught with manufacturer-specific instructions. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 1410) FWISD Prerequisite(s): Dual Credit Automotive Technology I/D B TCC Prerequisite(s): TSI, AUMT 1407 Course taught by an approved embedded instructor. Offered at: Polytechnic and OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D B (AUTOTEC 2B DC) TCC Course: (AUMT 2417) Automotive Engine Performance Analysis I *Course offerings may vary each year due to availability In this dual credit class, students will learn about diagnosis and repair of emission systems, computerized engine performance systems, and advanced ignition and fuel systems. Includes use of advanced engine performance diagnostic equipment. May be taught manufacturer specific. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 2417) FWISD Prerequisite(s): TSI, AUMT 1410 Course taught by an approved embedded instructor. Offered at: Polytechnic and OD Wyatt	College Hour(s): NA Tier II TPD39702A 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4 Tier I TPD39702B 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and parking brakes. May be taught with manufacturer-specific instructions. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 1410) FWISD Prerequisite(s): Dual Credit Automotive Technology I/D B TCC Prerequisite(s): TSI, AUMT 1407 Course taught by an approved embedded instructor. Offered at: Polytechnic and OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D B (AUTOTEC 2B DC) TCC Course: (AUMT 2417) Automotive Engine Performance Analysis I *Course offerings may vary each year due to availability In this dual credit class, students will learn about diagnosis and repair of emission systems, computerized engine performance systems, and advanced ignition and fuel systems. Includes use of advanced engine performance diagnostic equipment. May be taught manufacturer specific. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 2417) FWISD Prerequisite(s): Dual Credit Automotive Technology II/D A TCC Prerequisite(s): TSI, AUMT 1410 Course taught by an approved embedded instructor. Offered at: Polytechnic and OD Wyatt PAID PRACTICUM IN TRANSPORTATION SYSTEMS AB/EXTENDED (EXPRTRS1 AB)	College Hour(s): NA Tier II TPD39702A 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4 Tier I TPD39702B 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4 Tier I
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and parking brakes. May be taught with manufacturer-specific instructions. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 1410) EWISD Prerequisite(s): TSI, AUMT 1407 Course taught by an approved embedded instructor. Offered at: Polytechnic and OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D B (AUTOTEC 2B DC) TCC Course: (AUMT 2417) Automotive Engine Performance Analysis I *Course offerings may vary each year due to availability In this dual credit class, students will learn about diagnosis and repair of emission systems, computerized engine performance systems, and advanced ignition and fuel systems. Includes use of advanced engine performance diagnostic equipment. May be taught manufacturer specific. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 2417) FWISD Prerequisite(s): Dual Credit Automotive Technology II/D A TCC Prerequisite(s): TSI, AUMT 1410 Course taught by an approved embedded instructor. Offered at: Polytechnic and OD Wyatt PAID PRACTICUM IN TRANSPORTATION SYSTEMS AB/EXTENDED (EXPRTS1 AB) The practicum course is a paid capstone experience for students participating in a coherent sequence of career	TPD39702B 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4 Tier I TPD39702B 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4 Tier I
Prerequisite(s): Automotive Technology I/D Offered at: Dunbar, North Side, Polytechnic, Trimble Technical, OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D A (AUTOTEC 2A DC) TCC Course: (AUMT 1410) Automotive Brake Systems *Course offerings may vary each year due to availability In this dual credit class, students will learn about the operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis and repair of power, manual, anti-lock brake systems and parking brakes. May be taught with manufacturer-specific instructions. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 1410) FWISD Prerequisite(s): Dual Credit Automotive Technology I/D B TCC Prerequisite(s): TSI, AUMT 1407 Course taught by an approved embedded instructor. Offered at: Polytechnic and OD Wyatt DUAL CREDIT AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE II/D B (AUTOTEC 2B DC) TCC Course: (AUMT 2417) Automotive Engine Performance Analysis I *Course offerings may vary each year due to availability In this dual credit class, students will learn about diagnosis and repair of emission systems, computerized engine performance systems, and advanced ignition and fuel systems. Includes use of advanced engine performance diagnostic equipment. May be taught manufacturer specific. Instructional Material: CDX Fundamentals of Automotive Technology, Jones and Bartlett Learning TCC Course: Automotive Engine Performance Analysis I (AUMT 2417) FWISD Prerequisite(s): Dual Credit Automotive Technology II/D A TCC Prerequisite(s): TSI, AUMT 1410 Course taught by an approved embedded instructor. Offered at: Polytechnic and OD Wyatt PAID PRACTICUM IN TRANSPORTATION SYSTEMS AB/EXTENDED (EXPRTRS1 AB)	College Hour(s): NA Tier II TPD39702A 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4 Tier I TPD39702B 13039700 Grade level: 12 HS Credit(s): 1 College Hour(s): 4 Tier I

experiences. In order to receive course credit, this course requires that students make a full year commitment to	
this course and their employment, must have related classroom instruction that averages one class period per	
week during the school year, are employed for <u>fifteen (15) hours per week</u> (or average of 30 hours across two	
weeks) at an approved site within ten days of the beginning of the course. Work hours can be included during	
the school day or outside of school hours. If work hours are during the school day, students can be scheduled for	
work release (noncredit) periods to work as long as work release does not jeopardize students' projected	
graduation plan. <u>Instructional Material</u> : Contact Career and Technical Education for related materials	College Hour(s): NA
<u>Prerequisite(s)</u> : Automotive Technology II, Collision Repair Paint and Refinishing, or Aircraft Powerplant	Tier III
Technology	Tiel III
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt	
HONORS PAID PRACTICUM IN TRANSPORTATION SYSTEMS AB/EXTENDED (EXPRTRS1 AB/H)	TPH40410AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13040455
activities related to the program of study.	Grade level: 12
Instructional Material: Contact Career and Technical Education for related materials	HS Credit(s): 3
<u>Prerequisite(s)</u> : Automotive Technology II, Collision Repair Paint and Refinishing, or Aircraft Powerplant	College Hour(s): NA
Technology	Tier II
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt	
UNPAID PRACTICUM IN TRANSPORTATION SYSTEMS AB/D (PRACTDL AB)	TP40402AB
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of	13040450
career and technical education courses within their designated program of study. The Practicum is designed to	Grade level: 12
give students supervised practical application of knowledge and skills. A student must be a minimum age of 16	HS Credit(s): 2
and hold valid work documentation, such as a Social Security card, to enroll in any of the paid practicum learning	
experiences. Practicum capstone experiences can occur in a variety of locations appropriate to the nature and level of experiences such as independent study, assistantships, mentorships, or laboratories. The various in-class	
capstone experiences include students working in a simulated environment, running an enterprise, or be involved	
in program-specific local projects the school has approved for this class. Additional capstone experiences also	
include students being selected to be a part of a work-based experience or industry training off-site, outside of	
school.	
Instructional Material: Contact Career and Technical Education for related materials	College Hour(s): NA
Prerequisite(s): Automotive Technology II, Collision Repair Paint and Refinishing, or Aircraft Powerplant	Tier III
- 1 1	
Technology	
Technology Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt	
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt HONORS UNPAID PAID PRACTICUM IN TRANSPORTATION SYSTEMS AB/D (PRACTDL AB/H)	TPH40402AB
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt HONORS UNPAID PRACTICUM IN TRANSPORTATION SYSTEMS AB/D (PRACTDL AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and	13040450
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt HONORS UNPAID PAID PRACTICUM IN TRANSPORTATION SYSTEMS AB/D (PRACTDL AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13040450 Grade level: 12
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt HONORS UNPAID PAID PRACTICUM IN TRANSPORTATION SYSTEMS AB/D (PRACTDL AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education for related materials	13040450 Grade level: 12 HS Credit(s): 2
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt HONORS UNPAID PAID PRACTICUM IN TRANSPORTATION SYSTEMS AB/D (PRACTDL AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education for related materials Prerequisite(s): Automotive Technology II, Collision Repair Paint and Refinishing, or Aircraft Powerplant	13040450 Grade level: 12 HS Credit(s): 2 College Hour(s): NA
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt HONORS UNPAID PAID PRACTICUM IN TRANSPORTATION SYSTEMS AB/D (PRACTDL AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education for related materials Prerequisite(s): Automotive Technology II, Collision Repair Paint and Refinishing, or Aircraft Powerplant Technology	13040450 Grade level: 12 HS Credit(s): 2
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt HONORS UNPAID PAID PRACTICUM IN TRANSPORTATION SYSTEMS AB/D (PRACTDL AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education for related materials Prerequisite(s): Automotive Technology II, Collision Repair Paint and Refinishing, or Aircraft Powerplant Technology Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt	13040450 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt HONORS UNPAID PAID PRACTICUM IN TRANSPORTATION SYSTEMS AB/D (PRACTDL AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education for related materials Prerequisite(s): Automotive Technology II, Collision Repair Paint and Refinishing, or Aircraft Powerplant Technology Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt BASIC COLLISION REPAIR AND REFINISHING AB (BASCOLRR AB)	13040450 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt HONORS UNPAID PAID PRACTICUM IN TRANSPORTATION SYSTEMS AB/D (PRACTDL AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education for related materials Prerequisite(s): Automotive Technology II, Collision Repair Paint and Refinishing, or Aircraft Powerplant Fechnology Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt BASIC COLLISION REPAIR AND REFINISHING AB (BASCOLRR AB) Basic Collision Repair and Refinishing includes knowledge of the processes, technologies, and materials used in	13040450 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II TP39800AB 13039750
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt HONORS UNPAID PAID PRACTICUM IN TRANSPORTATION SYSTEMS AB/D (PRACTDL AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education for related materials Pererequisite(s): Automotive Technology II, Collision Repair Paint and Refinishing, or Aircraft Powerplant Technology Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt BASIC COLLISION REPAIR AND REFINISHING AB (BASCOLRR AB) Basic Collision Repair and Refinishing includes knowledge of the processes, technologies, and materials used in the reconstruction of vehicles. This course is designed to teach the concepts and theory of systems related to	13040450 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt HONORS UNPAID PAID PRACTICUM IN TRANSPORTATION SYSTEMS AB/D (PRACTDL AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education for related materials Prerequisite(s): Automotive Technology II, Collision Repair Paint and Refinishing, or Aircraft Powerplant Technology Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt BASIC COLLISION REPAIR AND REFINISHING AB (BASCOLRR AB) Basic Collision Repair and Refinishing includes knowledge of the processes, technologies, and materials used in the reconstruction of vehicles. This course is designed to teach the concepts and theory of systems related to automotive collision repair and refinishing.	13040450 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II TP39800AB 13039750 Grade level: 9
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt HONORS UNPAID PAID PRACTICUM IN TRANSPORTATION SYSTEMS AB/D (PRACTDL AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education for related materials Prerequisite(s): Automotive Technology II, Collision Repair Paint and Refinishing, or Aircraft Powerplant Technology Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt BASIC COLLISION REPAIR AND REFINISHING AB (BASCOLRR AB) Basic Collision Repair and Refinishing includes knowledge of the processes, technologies, and materials used in the reconstruction of vehicles. This course is designed to teach the concepts and theory of systems related to automotive collision repair and refinishing. Instructional Material: Auto Collision Repair and Refinishing, 2nd Edition 2017, Goodheart-Willcox Co.	13040450 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II TP39800AB 13039750 Grade level: 9 HS Credit(s): 1
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt HONORS UNPAID PAID PRACTICUM IN TRANSPORTATION SYSTEMS AB/D (PRACTDL AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education for related materials Prerequisite(s): Automotive Technology II, Collision Repair Paint and Refinishing, or Aircraft Powerplant Technology Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt BASIC COLLISION REPAIR AND REFINISHING AB (BASCOLRR AB) Basic Collision Repair and Refinishing includes knowledge of the processes, technologies, and materials used in the reconstruction of vehicles. This course is designed to teach the concepts and theory of systems related to automotive collision repair and refinishing. Instructional Material: Auto Collision Repair and Refinishing, 2nd Edition 2017, Goodheart-Willcox Co. Prerequisite(s): Principles of Transportation Systems: Collision	13040450 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II TP39800AB 13039750 Grade level: 9 HS Credit(s): 1 College Hour(s): NA
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt HONORS UNPAID PAID PRACTICUM IN TRANSPORTATION SYSTEMS AB/D (PRACTDL AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education for related materials Prerequisite(s): Automotive Technology II, Collision Repair Paint and Refinishing, or Aircraft Powerplant Technology Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt BASIC COLLISION REPAIR AND REFINISHING AB (BASCOLRR AB) Basic Collision Repair and Refinishing includes knowledge of the processes, technologies, and materials used in the reconstruction of vehicles. This course is designed to teach the concepts and theory of systems related to automotive collision repair and refinishing. Instructional Material: Auto Collision Repair and Refinishing, 2nd Edition 2017, Goodheart-Willcox Co. Prerequisite(s): Principles of Transportation Systems: Collision Offered only at: Trimble Tech	13040450 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II TP39800AB 13039750 Grade level: 9 HS Credit(s): 1 College Hour(s): NA
Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt HONORS UNPAID PAID PRACTICUM IN TRANSPORTATION SYSTEMS AB/D (PRACTDL AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study. Instructional Material: Contact Career and Technical Education for related materials Prerequisite(s): Automotive Technology II, Collision Repair Paint and Refinishing, or Aircraft Powerplant Technology Offered at: Dunbar, North Side, Polytechnic, Trimble Tech, and O.D. Wyatt BASIC COLLISION REPAIR AND REFINISHING AB (BASCOLRR AB) Basic Collision Repair and Refinishing includes knowledge of the processes, technologies, and materials used in the reconstruction of vehicles. This course is designed to teach the concepts and theory of systems related to automotive collision repair and refinishing. Instructional Material: Auto Collision Repair and Refinishing, 2nd Edition 2017, Goodheart-Willcox Co. Prerequisite(s): Principles of Transportation Systems: Collision Offered only at: Trimble Tech HONORS BASIC COLLISION REPAIR AND REFINISHING AB (BASCOLRR AB/H) In addition to the regular course curriculum, students in the honors course will complete additional projects and	13040450 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier II TP39800AB 13039750 Grade level: 9 HS Credit(s): 1 College Hour(s): NA Tier III
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HONORS COLLISION REPAIR/D AB (COLLISR AB/H)	TPH39802AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13039800
activities related to the program of study.	Grade level: 10
Instructional Material: Contact Career and Technical Education for related materials	HS Credit(s): 2
<u>Prerequisite(s)</u> : Basic Collision Repair and Refinishing	College Hour(s): NA
Offered only at: Trimble Tech	Tier II
PAINT AND REFINISHING/D AB (PAINTR AB)	TP39902AB
This double-period pre-employment laboratory course continues preparation for entry-level employment in	13039900
automotive collision repair. It includes use of National Automotive Technician Education Foundation (NATEF)	Grade level: 11
industry standards and utilizes I-car materials in STRUCTURAL ANALYSIS and DAMAGE REPAIR. Instruction	HS Credit(s): 2
emphasizes advanced preparation in metal fiberglass and synthetic materials preparation and application of	
primers and paint. An INDUSTRY INTERNSHIP is an integral element of the program. Entrepreneurship,	
environmental issues, safety, leadership training and career opportunity awareness are emphasized.	
Instructional Material: Contact Career and Technical Education for related materials	College Hour(s): NA
<u>Prerequisite(s)</u> : Collision Repair/D	Tier III
Offered only at: Trimble Tech	
HONORS PAINT AND REFINISHING/D AB (PAINTR AB/H)	TPH39902AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13039900
activities related to the program of study.	Grade level: 11
Instructional Material: Contact Career and Technical Education for related materials	HS Credit(s): 2
<u>Prerequisite(s)</u> : Collision Repair/D	College Hour(s): NA
Offered only at: Trimble Tech	Tier II

Pathways in Technology Early College High School (P-TECH)

Pathways in Technology Early College High Schools (P-TECH) are innovative open-enrollment high schools that allow students least likely to attend college an opportunity to receive both a high school diploma, an associate degree or at least 60 credit hours and industry certifications and credentials. The hallmark of the P-TECH model is its career focus and the provision of work-based education. P-TECH programs:

- Enroll historically underserved students, targeting at-risk and economically disadvantaged
- Provide students grade 9 through 12 the opportunity to complete a course of study that combines high school and postsecondary courses
- Enable students to earn a high school diploma, along with an associate degree, Level 1 or Level 2 certificate, or industry-based certification within six years
- Offer age-appropriate work-based learning opportunity in every grade level
- Allow students to gain work experience through an internship, apprenticeship, or other job training program
- Align to regional workforce needs, guiding students into high-demand, high-wage careers
- Partner with Texas Institutions of Higher Education (IHEs) and regional businesses and industries, giving students access to post-secondary education and workforce training opportunities

Location	P-TECH Academy	Focus	Implemen ted	Associate's Degree	College Level Certificate(s)	Industry Certification(s)
Paul Laurence	Aviation	Advanced Composites	2020-2021	Associates of Applied Science (AAS), Robotics and Automation: Composites	Advanced Composite, Level 1	OSHA 30-Hour General Certificate
Dunbar	Manufacturing	CNC Machinist	2020-2021		CNC Machinist, Level 1	OSHA 30-Hour General Certificate
High School	j	Mechatronics Technician	2020-2021	Associates of Applied Science (AAS), Robotics and Automation	Mechatronics Technician, Level 1	OSHA 30-Hour General Certificate
Eastern		Cybersecurity	2020-2021	Associates of Applied Science (AAS), Cybersecurity	Cybersecurity Specialist, Level 1 Ethical Hacking, Level 2	Cisco Certified Entry Networking Technician (CCENT); CompTIA IT Fundamentals+; CompTIA Network+; Microsoft Technology Associate Introduction to Programming Using Python; and/or Microsoft Technology Associate Introduction to Programming Using Java
Hills High School	Cyber-security	Programming	2020-2021	Associates of Applied Science (AAS), Programming	Programming 1, Level 1 Programming II, Level 2	Cisco Certified Entry Networking Technician (CCENT); CompTIA IT Fundamentals+; CompTIA Network+; Microsoft Technology Associate Introduction to Programming Using Python; and/or Microsoft Technology Associate Introduction to Programming Using Java
North Side High School	Medical Professions	Medical Professions	2020-2021	Associates of Arts (AA)	Health Science Pre- Professional	Pharmacy Technician (PhT); Dementia Specialist Certificate; Emergency Medical Technician (EMT); Patient Care Technician (PCT); Certified Nursing Assistant (CNA)
Poly- technic High School	Education	Education	2020-2021	Associates of Arts (AA), Teaching	Educational Aide I	Educational Aide I and OSHA 10-Hour General Industry Certification
		Electrical Lineman	2018-2019	Associates of Applied Science (AAS), Electronics Line Technician	Ground Technician, Level 1 Renewable Line Technician, Level 2	Microsoft Office Specialist – Word, PowerPoint, and Excel (Office 365); OSHA 10- Hour General
TCC South Collegiate High	Energy	Advanced Energy Technician	2018-2019	Associates of Applied Science (AAS), Electronics Technology: Advanced Energy Technician	Renewable Energy Technology, Level 1	Microsoft Office Specialist – Word, PowerPoint, and Excel (Office 365); OSHA 10-Hour General
School		Energy Business	2018-2019	Associates of Arts (AA)	Business, Level 1 Business, Level 2	Microsoft Office Specialist – Word, PowerPoint, and Excel (Office 365); OSHA 10- Hour General
		Water/Waste Water Operator	2022-2023	Associates of Arts (AA)	Water Operator-D License Wastewater Operator-D License	Microsoft Office Specialist – Word, PowerPoint, and Excel (Office 365); OSHA 10- Hour General

^{*}Programs, pathways and courses are subject to change at any time and may vary due to availability.

Location	P-TECH Academy	Focus	Implemented	Associate's Degree	College Level Certificate(s)	Industry Certification(s)
Carter- Riverside High School	IT/ Networking/ Computer Maintenance	Cloud Technology	2021-2022	Associate of Applied Science (AAS), Convergence Technologies: Cloud Technology	Advanced Convergence Technologies, Level 1 OR Convergence Cloud Technology, Level 1	Comp TIA Certifications
Diamond Hill Jarvis	Architecture/	Architecture	2021-2022	Associate of Applied Science (AAS), Architectural Technology	Architectural CAD Operator, Level 1 OR Architectural Paraprofessional, Level 1 OR Architectural Technology Occupational Skills Award	Autodesk Certified User in AutoCAD
High School	Construction Logistics	Construction Management	2021-2022	Associate of Applied Science (AAS), Construction Management Technology	Construction Inspection Technician, Level 1 OR Construction Management Technology, Level 1	NCCER Core Curriculum AND/OR NCCER Construction Technology AND/OR OSHA 10-Hour Construction Industry
		Logistics & Supply Chain Management	2021-2022	Associate of Applied Science (AAS), Logistics and Supply Chain Management	Transportation Management, Level 1 OR Warehouse Management, Level 1	MSSC Certified Logistics Technician
South Hills High School	Software Development, IT and User Experience	Web Applications	2021-2022	Associate of Applied Science (AAS), Information Technology: Web Applications Programming	Web Applications Programming I, Level 1 OR Web Applications Programming II, Level 2	WD Certified Web Design Certification
Success High School	Business	Business	2022-2023	Associate of Arts (AA)	Business, Level 1 Business, Level 2	Microsoft Office Specialist – Word, PowerPoint, and Excel (Office 365)

Aviation Manufacturing P-TECH Academy – Multidisciplinary Endorsement

FOR THE GRADUATING CLASS OF 2024 and beyond

The Aviation Manufacturing P-TECH Academy offers three (3) Career Focuses.

Paul Laurence Dunbar High School Aviation Manufacturing P-TECH Academy Advanced Composites Crosswalk

Gr.	9 ^t	h Grade	10 th (Grade	11 th (Grade	12 th	Grade
Sem.	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
	English I or	English I or II	English II or *III	English II or *III	English *III or *IV	English *III or *IV	English IV* or *English Elective	English IV* or *English Elective
	Algebra I or Geometry	Algebra I or Geometry	Geometry Algebra II	Geometry Algebra II	*Statistics	**Pre-Calculus	*Pre-Calculus	* Calculus I
	AP Human Geography	AP Human Geography	AP World History	AP World History	AP US History	AP US History	Government	Economics
	Biology	Biology	Physics or Chemistry	Physics or Chemistry	Physics or Chemistry	Physics or Chemistry	4 th Year Science	4 th Year Scienc
	PS Math	PS Math						
	Spanish I *	Spanish II*						
<u> </u>	Art Appreciatio n*	Speech *						
High School	Honors Principles of Manufacturi ng AB (MAH32201 AB)	Honors Principles of Manufacturing AB (MAH32201AB)			Dual Credit Intro to Aircraft Technology AB (TPD39401AB)		Honors Paid or Unpaid Practicum in Manufacturing AB (MAH33002AB OR MAH33012AB) OR Honors Project-Based Research AB (CPH01500AB) OR Career Prep AB (CP01300AB)	Honors Paid of Unpaid Practicum in Manufacturing AB (MAH33002AB OR MAH33012AB) OR Honors Project Based Research AB (CPH01500AB) OR Career Prep AB (CP01300AB)
College	SPN 1341-3	SPN 1342			AERM 1315	PLTC 1303	AERM 1303	AERM 2359
3	FAR 1311-3	SPC 1301			AERM 1254	PLTC 1291		
Hrs.					Up to 5	Up to 5	Up to 3	Up to 3

College Level Certification(s): Advanced Composite Technology, Level 1 Certification -16 hours **Industry Certification(s):** OSHA 30-Hour General Certificate

^{*}TSI compliance or TSI waiver will determine if the course is taken as a Dual Credit course for TSI placement courses. Juniors and seniors that are not TSI met will take AP courses in-lieu of dual credit course.

Paul Laurence Dunbar High School Aviation Manufacturing P-TECH Academy CNC Machinist Crosswalk

Gr.	9 th	Grade	10 th G	rade	11 th Grade		12 th	Grade
Sem.	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
	English I or II	English I or II	English II or *III	English II or *III	English *III or *IV	English *III or *IV	English *IV or *English Elective	English *IV or *English Elective
	Algebra I or Geometry	Algebra I or Geometry	Geometry Algebra II	Geometry Algebra II	Pre-Calculus	Pre-Calculus	4 th year Math	4 th year Math
	AP Human Geography	AP Human Geography	AP World History	AP World History	AP US History	AP US History	Government	Economics
	Biology	Biology	Physics or Chemistry	Physics or Chemistry	Physics or Chemistry	Physics or Chemistry	4 th Year Science	4 th Year Science
	PS Math	PS Math						
	Spanish I	Spanish II						
00	Art Appreciation	Speech						
High School	Honors Principles of Manufacturin g AB (MAH32201A B)	Honors Principles of Manufacturing AB (MAH32201AB)	Dual Credit Intro to Computer Aided Design and Drafting A (STD03769A) AND Dual Credit Intro to Computer Aided Design and Drafting B (STD03769B)	Dual Credit Intermediate Computer Aided Design and Drafting AB (STD03770AB)	Dual Credit Manufacturi ng Engineering Technology I A (MAD32900A)	Dual Credit Manufacturing Engineering Technology I B (MAD32900B)	Honors Paid or Unpaid Practicum in Manufacturing AB (MAH33002AB OR MAH33012AB) OR Honors Project- Based Research AB (CPH01500AB) OR Career Prep AB (CP01300AB)	Honors Paid or Unpaid Practicum in Manufacturing AB (MAH33002AB OR MAH33012AB) OR Honors Project- Based Research AB (CPH01500AB) OR Career Prep AB (CP01300AB)
age	SPN 1341-3	SPN 1342-3	DFTG 1305					
College	FAR 1311-3	SPC 1301-3	DFTG 1409	DFTG 2440	MCHN 1338	MCHN 2303	MCHN 2431	MCHN 2434
Hrs.	Up to 6	Up to 6	Up to 7	Up to 4	Up to 3	Up to 3	Up to 4	Up to 4
	College Level (obotics and Automat Certification(s): CNC ication(s): OSHA 30-	Machinist Technol	ogy, Level 1 Cert	ification-25 hou	rs		

^{*}TSI compliance or TSI waiver will determine if the course is taken as a Dual Credit course for TSI placement courses. Juniors and seniors that are not TSI met will take AP courses in-lieu of dual credit course.

Students who complete Principles of Manufacturing, Manufacturing Engineering Technology I, and Unpaid Practicum in Manufacturing will have met requirements for the Advanced Manufacturing and Machinery Mechanics Program of Study for a Business and Industry or STEM endorsement if the math and science requirements are met.

Paul Laurence Dunbar High School Associates of Applied Science Electronics Technology Robotics and Automation Robotics Technician with Mechatronics Technician level 1 Multidisciplinary Endorsement

Gr.	9 th	Grade	10 th (Grade	11 th G	irade	12 th G	rade
Sem.	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
	English I or II	English I or II	English II or *III	English II or *III	English *III or *IV	English *III or *IV	English *IV or *English Elective	English *IV or *English Elective
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	*College Algebra	**Pre- Calculus	4 th Year Math	4 th Year Math
	AP Human Geography	AP Human Geography	AP World History	AP World History	US History	US History	Government	Economics
	Biology	Biology	Physics or Chemistry	Physics or Chemistry	Physics or Chemistry	Physics or Chemistry	4 th Year Science	4 th Year Science
	PS Math	PS Math	PE	PE				
	Spanish I *	Spanish II *	Health					
TH 1314	Art Appreciation *	Speech *						
High School*MATH 1314	Honors Principles of Manufacturin g AB (MAH32201A B)	Honors Principles of Manufacturing AB (MAH32201AB)	Dual Credit AC/DC Electronics AB (STD36802AB) AND Dual Credit Solid State Electronics A (STD36902A)	Dual Credit Robotics I AB (STD37002AB) AND Dual Credit Solid State Electronics B (STD36902B)	Dual Credit Digital Electronics AB (STD37443AB)	Dual Credit Robotics II AB (STD37003AB)	Dual Credit Basic Fluid Power AB (MAD03683AB) AND Honors Paid or Unpaid Practicum in Manufacturing AB (MAH33002AB OR MAH33012AB) OR Honors Project- Based Research AB (CPH01500AB) OR Career Prep AB (CP01300AB)	Honors Paid or Unpaid Practicum in Manufacturing AB (MAH33002AB OR MAH33012AB) OR Honors Project- Based Research AB (CPH01500AB) OR Career Prep AB (CP01300AB)
	SPN 1341-3	SPN 1342-3	*CETT 1409	*RBTC 1351	*ENGL 1301	*ENGL 1302	*ENGL 2322	*ENGL 2323
College	FAR 1311-3	SPC 1301-3	*RBTC 1401 *KINE 1102	*MATH 2412 *CETT 1441 *KINE 1164	*CETT 1449 *HIST 1301 MATH 1314	*HIST 1302 *CETT 1445 MATH 2412	*GOVT 23052 *HYDR 1345 *RBTC 1447 *CETT 2345	*ECON 2301 *ELMT 2337 *ELPT 2455 *RBTC 2445
Hrs.	Up to 6	Up to 6	Up to 12	Up to 12	Up to 14	Up to 14	Up to 13	Up to 13
	Degree: AAS Ro College Level (obotics and Automa Certification(s): Me Fication(s): OSHA 3	ation Associates - chatronics Techn	60+ hours ician, Level 1 Cert			- F	

*TSI compliance or TSI waiver will determine if the course is taken as a Dual Credit course for TSI placement courses. Juniors and seniors that are not TSI met will take AP courses in-lieu of dual credit course.

COURSE DESCRIPTIONS FOR THE MANUFACTURING P-TECH

	MAH32201AB
n Principles of Manufacturing, students gain knowledge and skills in the application, design, production, and	13032200
assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing.	Grade level: 9
Knowledge and skills in the proper application of principles of manufacturing, the design of technology, the	HS Credit(s): 1
efficient production of technology, and the assessment of the effects of manufacturing production technology	
prepare students for success in the modern world. The study of manufacturing technology allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities,	
problems, and settings in a manufacturing setting. In addition to general academic and technical knowledge and	
skills, students gain an understanding of career opportunities available in manufacturing and what employers	
require to gain and maintain employment in these careers. In addition to the regular course curriculum, students	
in this honors course will complete a project using the five phases of project management used in the business	
and industry environment.	
Instructional Material: Agriculture, Construction & Manufacturing, iCEV	College Hour(s): NA
Prerequisite(s): None	Tier II
Offered only at: Dunbar (for PTECH)	
HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) (Available Fall 2023)	CPH01500AB
*Previously Problems and Solutions	10701500
Students will research a real-world problem and possible solutions throughout this course. Students develop a	12701500 Grade level: 11, 12
project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present	Grade level: 11-12 HS Credit(s): 1
their findings to an audience that includes experts in the field. This course must be cooperatively planned and	113 CIEUIL(S). I
supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary	
team. The district must maintain a written project plan for each student enrolled in the course.	
nstructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Specific to program focus/pathway and is the previous course in the sequence.	Tier II
Offered at: All high school campuses	
CAREER PREPARATION I AB (CAREERP1 AB)	CP01300AB
This course is a paid capstone experience for students who have found employment for the school year. Career	12701300
Preparation I provides opportunities for students to participate in a work-based learning experience that	Grade level: 11 - 12
combines classroom instruction with paid business and industry employment experiences. It supports strong	HS Credit(s): 2
partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety	
of skills for a fast-changing workplace. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities,	
human relations, and portfolio development. Career preparation is relevant and rigorous, supports student	
attainment of academic standards, and effectively prepares students for college and career success. A student	
must be a minimum age of 16 and hold valid work documentation, such as a Social Security card, to enroll in any	
paid learning experience course. In order to receive course credit, this course requires that students make a full	
year commitment to this course and their employment, are scheduled for 1 (one) class period of instruction, and	
are employed for ten hours per week (or average of 20 hours across two weeks) at an approved site within ten	
are employed for item hours per week (or average or 20 hours across two weeks) at an approved site within tem	
days of the beginning of the course. Work hours can be included during the school day or outside of school	
days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods	
days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan.	
days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None	Tier III
days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION II AB (CAREERP2 AB)	Tier III CP01400AB
days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION II AB (CAREERP2 AB) The Career Preparation II course is for those students who are taking a Career Preparation course for the second	Tier III CP01400AB 12701400
days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION II AB (CAREERP2 AB) The Career Preparation II course is for those students who are taking a Career Preparation course for the second time and continue or have new employment during the duration of the course; working ten hours per week (or	Tier III CP01400AB 12701400 Grade level: 12
days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION II AB (CAREERP2 AB) The Career Preparation II course is for those students who are taking a Career Preparation course for the second time and continue or have new employment during the duration of the course; working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the	Tier III CP01400AB 12701400
days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION II AB (CAREERP2 AB) The Career Preparation II course is for those students who are taking a Career Preparation course for the second time and continue or have new employment during the duration of the course; working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course.	Tier III CP01400AB 12701400 Grade level: 12
days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Pererequisite(s): None CAREER PREPARATION II AB (CAREERP2 AB) The Career Preparation II course is for those students who are taking a Career Preparation course for the second time and continue or have new employment during the duration of the course; working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials	Tier III CP01400AB 12701400 Grade level: 12 HS Credit(s): 2
days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION II AB (CAREERP2 AB) The Career Preparation II course is for those students who are taking a Career Preparation course for the second time and continue or have new employment during the duration of the course; working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Career Preparation I AB	Tier III CP01400AB 12701400 Grade level: 12 HS Credit(s): 2 College Hour(s): NA
days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION II AB (CAREERP2 AB) The Career Preparation II course is for those students who are taking a Career Preparation course for the second time and continue or have new employment during the duration of the course; working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Career Preparation I AB CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB)	Tier III CP01400AB 12701400 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier III
days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION II AB (CAREERP2 AB) The Career Preparation II course is for those students who are taking a Career Preparation course for the second time and continue or have new employment during the duration of the course; working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Career Preparation I AB CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB) This course is a paid capstone experience for students who have found employment for the school year. Career Preparation I/Extended provides opportunities for students to participate in a work-based learning experience	Tier III CP01400AB 12701400 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier III CP01302AB
days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION II AB (CAREERP2 AB) The Career Preparation II course is for those students who are taking a Career Preparation course for the second time and continue or have new employment during the duration of the course; working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Career Preparation I AB CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB) This course is a paid capstone experience for students who have found employment for the school year. Career Preparation I/Extended provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with paid business and industry employment experiences. It supports strong	Tier III CP01400AB 12701400 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier III CP01302AB 12701305
days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION II AB (CAREERP2 AB) The Career Preparation II course is for those students who are taking a Career Preparation course for the second time and continue or have new employment during the duration of the course; working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Career Preparation I AB CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB) This course is a paid capstone experience for students who have found employment for the school year. Career Preparation I/Extended provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with paid business and industry employment experiences. It supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety	Tier III CP01400AB 12701400 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier III CP01302AB 12701305 Grade level: 11-12
days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION II AB (CAREERP2 AB) The Career Preparation II course is for those students who are taking a Career Preparation course for the second time and continue or have new employment during the duration of the course; working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Career Preparation I AB CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB) This course is a paid capstone experience for students who have found employment for the school year. Career Preparation I/Extended provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with paid business and industry employment experiences. It supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. Students are taught employability skills, which include job-specific skills	Tier III CP01400AB 12701400 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier III CP01302AB 12701305 Grade level: 11-12
days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION II AB (CAREERP2 AB) The Career Preparation II course is for those students who are taking a Career Preparation course for the second time and continue or have new employment during the duration of the course; working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Career Preparation I AB CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB) This course is a paid capstone experience for students who have found employment for the school year. Career Preparation I/Extended provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with paid business and industry employment experiences. It supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, applicable to their training station, job interview techniques, communication skills, financial and budget activities,	Tier III CP01400AB 12701400 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier III CP01302AB 12701305 Grade level: 11-12
days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION II AB (CAREERP2 AB) The Career Preparation II course is for those students who are taking a Career Preparation course for the second time and continue or have new employment during the duration of the course; working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Career Preparation I AB CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB) This course is a paid capstone experience for students who have found employment for the school year. Career Preparation I/Extended provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with paid business and industry employment experiences. It supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Career preparation is relevant and rigorous, supports student	Tier III CP01400AB 12701400 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier III CP01302AB 12701305 Grade level: 11-12
days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None CAREER PREPARATION II AB (CAREERP2 AB) The Career Preparation II course is for those students who are taking a Career Preparation course for the second time and continue or have new employment during the duration of the course; working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Career Preparation I AB CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB) This course is a paid capstone experience for students who have found employment for the school year. Career Preparation I/Extended provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with paid business and industry employment experiences. It supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, applicable to their training station, job interview techniques, communication skills, financial and budget activities,	Tier III CP01400AB 12701400 Grade level: 12 HS Credit(s): 2 College Hour(s): NA Tier III CP01302AB 12701305 Grade level: 11-12

year commitment to this course and their employment, are scheduled for 1 (one) class period of instruction, and	
are employed for fifteen hours per week (or average of 30 hours across two weeks) at an approved site within ten	
days of the beginning of the course. Work hours can be included during the school day or outside of school	
hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods	
to work as long as work release does not jeopardize students' projected graduation plan.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): None	Tier III
CAREER PREPARATION II/EXTENDED (EXCAREE2 AB)	CP01402AB
The Career Preparation I/Extended course is for those students who are taking a Career Preparation course for	12701405
the second time and continue or have new employment during the duration of the course; working <u>fifteen hours</u>	Grade level: 12
per week (or average of 30 hours across two weeks). This course provides the same opportunities and	HS Credit(s): 3
requirements as the Career Preparation I/Extended course.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
<u>Prerequisite(s)</u> : Career Preparation I	Tier III
HONORS UNPAID PRACTICUM IN MANUFACTURING AB/D (PRACMANU AB/H)	MAH33002AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13033000
activities related to the business and industry environment. See the Unpaid Practicum in Manufacturing course	Grade level: 12
description in the Career & Technical Education, Manufacturing section of this document.	HS Credit(s): 2
Instructional Material: Contact Career and Technical Education for related materials	College Hour(s): NA
Prerequisite(s) (For Welding): Welding II/d AB	Tier II
Prerequisite(s) (For Manufacturing P-Tech): Previous P-TECH Manufacturing coursework notated on crosswalk	
Offered at: Diamond-Hill Jarvis, South Hills, Southwest, Trimble Technical, and Dunbar (P-TECH)	
HONORS PAID PRACTICUM IN MANUFACTURING/EXTENDED AB (EXPRMAN2AB/H)	MAH33012AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13033015
activities related to the business and industry environment. See the Paid Practicum in Manufacturing course	Grade level: 12
description in the Career & Technical Education, Manufacturing section of this document.	HS Credit(s): 3
Instructional Material: Contact Career and Technical Education for related materials	College Hour(s): NA
Prerequisite(s) (For Welding): Welding II/d AB	Tier II
Prerequisite(s) (For Manufacturing P-Tech): Previous P-TECH Manufacturing coursework notated on crosswalk	
Offered at: Diamond-Hill Jarvis, South Hills, Southwest, Trimble Technical, and Dunbar (P-TECH)	
DUAL CREDIT AC/DC ELECTRONICS AB (ACDCELEC AB DC)	STD36802AB
TCC Course: (CETT 1409) DC-AC Circuits	
*Course offerings may vary each year due to availability	1000000
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law,	13036800
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis	Grade level: 10-12
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit	
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad.	Grade level: 10-12 HS Credit(s): 1
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing	Grade level: 10-12 HS Credit(s): 1
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score.	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: Dunbar (P-TECH)	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: Dunbar (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC)	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: Dunbar (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: Dunbar (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: Dunbar (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units,	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: Dunbar (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A 13036900 Grade level: 10-12
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: Dunbar (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming.	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A 13036900 Grade level: 10-12 HS Credit(s): 0.5
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: Dunbar (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A 13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: Dunbar (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A 13036900 Grade level: 10-12 HS Credit(s): 0.5
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: Dunbar (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): N/A	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A 13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: Dunbar (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): N/A Offered only at: Dunbar (P-TECH) and TCC South Collegiate HS (P-TECH)	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A 13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4 Tier I
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: Dunbar (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): N/A Offered only at: Dunbar (P-TECH) and TCC South Collegiate HS (P-TECH)	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A 13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: Dunbar (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): N/A Offered only at: Dunbar (P-TECH) and TCC South Collegiate HS (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS B (SOSTELEC B DC) TCC Course: (CETT 1441) Solid State Circuits	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A 13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4 Tier I
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: Dunbar (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): N/A Offered only at: Dunbar (P-TECH) and TCC South Collegiate HS (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS B (SOSTELEC B DC) TCC Course: (CETT 1441) Solid State Circuits *Course offerings may vary each year due to availability	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A 13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4 Tier I STD36902B
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: Dunbar (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): N/A Offered only at: Dunbar (P-TECH) and TCC South Collegiate HS (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS B (SOSTELEC B DC) TCC Course: (CETT 1441) Solid State Circuits *Course offerings may vary each year due to availability In this course, students study various semiconductor devices incorporated in circuits and their applications.	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A 13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4 Tier I STD36902B
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: Dunbar (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): N/A Offered only at: Dunbar (P-TECH) and TCC South Collegiate HS (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS B (SOSTELEC B DC) TCC Course: (CETT 1441) Solid State Circuits *Course offerings may vary each year due to availability In this course, students study various semiconductor devices incorporated in circuits and their applications. Emphasis on circuit construction, measurements, and analysis.	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A 13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4 Tier I STD36902B 13036900 Grade level: 10-12
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: Dunbar (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): N/A Offered only at: Dunbar (P-TECH) and TCC South Collegiate HS (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS B (SOSTELEC B DC) TCC Course: (CETT 1441) Solid State Circuits *Course offerings may vary each year due to availability In this course, students study various semiconductor devices incorporated in circuits and their applications. Emphasis on circuit construction, measurements, and analysis. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A 13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4 Tier I STD36902B 13036900 Grade level: 10-12 HS Credit(s): 0.5
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: Dunbar (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): N/A Offered only at: Dunbar (P-TECH) and TCC South Collegiate HS (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS B (SOSTELEC B DC) TCC Course: (CETT 1441) Solid State Circuits *Course offerings may vary each year due to availability In this course, students study various semiconductor devices incorporated in circuits and their applications. Emphasis on circuit construction, measurements, and analysis. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A 13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4 Tier I STD36902B 13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing ICC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: Dunbar (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): N/A Offered only at: Dunbar (P-TECH) and TCC South Collegiate HS (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS B (SOSTELEC B DC) TCC Course: (CETT 1441) Solid State Circuits *Course offerings may vary each year due to availability In this course, students study various semiconductor devices incorporated in circuits and their applications. Emphasis on circuit construction, measurements, and analysis. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): CETT 1409 and MATH 0362 with a minimum grade of C or appropriate TSI Math placement	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A 13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4 Tier I STD36902B 13036900 Grade level: 10-12 HS Credit(s): 0.5
In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: Dunbar (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): N/A Offered only at: Dunbar (P-TECH) and TCC South Collegiate HS (P-TECH) DUAL CREDIT SOLID STATE ELECTRONICS B (SOSTELEC B DC) TCC Course: (CETT 1441) Solid State Circuits *Course offerings may vary each year due to availability In this course, students study various semiconductor devices incorporated in circuits and their applications. Emphasis on circuit construction, measurements, and analysis. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing	Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A 13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4 Tier I STD36902B 13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4

DUAL CREDIT DIGITAL ELECTRONICS AB (DIGELC DC AB)	STD37443AB
CC Course: (CETT 1449) Digital Systems	
Course offerings may vary each year due to availability	
n this course, students will learn about electronics covering digital systems. Emphasis on application and	13037600
roubleshooting digital systems using counters, registers, code converters, multiplexers, analog-to-digital to-	Grade level: 10-12 HS Credit(s): 1
nalog circuits, and large-scale integrated circuits. astructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	College Hour(s): 4
rerequisite(s): Principles of Manufacturing	Tier I
<u>CC Prerequisite(s)</u> : MATH 0362 with a minimum grade of C or appropriate TSI Math placement score.	i lei i
of Prerequisite(s). With 1 0502 with a minimum grade of C of appropriate 131 Wath placement score. Offered only at: Dunbar (P-TECH) and TCC South Collegiate HS (P-TECH)	
DUAL CREDIT ROBOTICS I AB (ROBOT 1AB DC)	STD37002AB
CC Course: (RBTC 1351) Robotics Mechanisms	0.20.0022
Course offerings may vary each year due to availability	
n this course, students learn the application of principles and the calculation of practical problems involving four	13037000
ar linkages, cams, gears, and gear trains. Topics include vector quantities, angular displacement, motion	Grade level: 10-12
oncepts, velocities, and motions.	HS Credit(s): 1
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	College Hour(s): 3
rerequisite(s): None	Tier I
CC Prerequisite(s): MATH 1332	
offered only at: Dunbar (P-TECH) and TCC South Collegiate HS (P-TECH)	
OUAL CREDIT BASIC FLUID POWER AB (BASICFP AB DC)	MAD03683AB
CC Course: (HYDR 1345) Hydraulics and Pneumatics	
Course offerings may vary each year due to availability	
n this course, students learn the fundamentals of hydraulics and pneumatics, components of each system, and	N1303683
ne operations, maintenance, and analysis of each system.	Grade level: 10-12
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	HS Credit(s): 1
rerequisite(s): Principles of Manufacturing	College Hour(s): 3
CC Prerequisite(s): NA	Tier I
Offered only at: Dunbar (P-TECH)	
OUAL CREDIT ROBOTICS II AB (ROBOTIC 2AB DC)	STD37003AB
CC Course: (RBTC 2445) Robot Application, Set-up, and Testing	
Course offerings may vary each year due to availability	
n this course, students engage in a capstone course that provides the student with laboratory experience in the	13037050
stallation, set-up, and testing of robotic cells. Topics include maintenance.	Grade level: 10-12
<u>nstructional Material</u> : Contact the Office of Innovation, Early College Programs Department for related materials.	HS Credit(s): 1
rerequisite(s): Principles of Manufacturing, Robotics I	College Hour(s): 4
CC Prerequisite(s): NA	Tier I
Iffered only at: Dunbar (P-TECH)	
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DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING A	STD03769A
DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING A INTRCADD A DC)	31D03709A
DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING A INTRCADD A DC) CC Course: (DFTG 1305) Technical Drafting	31D03709A
DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING A INTRCADD A DC) CC Course: (DFTG 1305) Technical Drafting Course offerings may vary each year due to availability	
DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING A INTRCADD A DC) ICC Course: (DFTG 1305) Technical Drafting Course offerings may vary each year due to availability In this course, students get an introduction to reading, interpreting, and developing technical drawings, including	N1303769
DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING A INTRCADD A DC) ICC Course: (DFTG 1305) Technical Drafting Course offerings may vary each year due to availability In this course, students get an introduction to reading, interpreting, and developing technical drawings, including the principles of drafting and computer-aided design.	N1303769 Grade level: 10-12
DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING A INTRCADD A DC) ICC Course: (DFTG 1305) Technical Drafting Course offerings may vary each year due to availability In this course, students get an introduction to reading, interpreting, and developing technical drawings, including the principles of drafting and computer-aided design. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	N1303769 Grade level: 10-12 HS Credit(s): 0.5
DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING A INTRCADD A DC) ICC Course: (DFTG 1305) Technical Drafting Course offerings may vary each year due to availability In this course, students get an introduction to reading, interpreting, and developing technical drawings, including the principles of drafting and computer-aided design. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Interrequisite(s): Principles of Manufacturing	N1303769 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 3
DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING A INTRCADD A DC) ICC Course: (DFTG 1305) Technical Drafting Course offerings may vary each year due to availability In this course, students get an introduction to reading, interpreting, and developing technical drawings, including the principles of drafting and computer-aided design. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Interrequisite(S): Principles of Manufacturing ICC Prerequisite(S): NA	N1303769 Grade level: 10-12 HS Credit(s): 0.5
DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING A INTRCADD A DC) ICC Course: (DFTG 1305) Technical Drafting Course offerings may vary each year due to availability In this course, students get an introduction to reading, interpreting, and developing technical drawings, including the principles of drafting and computer-aided design. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Interrequisite(S): Principles of Manufacturing ICC Prerequisite(S): NA Interfered only at: Dunbar (P-TECH)	N1303769 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 3 Tier I
DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING A INTRCADD A DC) CC Course: (DFTG 1305) Technical Drafting Course offerings may vary each year due to availability In this course, students get an introduction to reading, interpreting, and developing technical drawings, including the principles of drafting and computer-aided design. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Interrequisite(S): Principles of Manufacturing CC Prerequisite(S): NA Offered only at: Dunbar (P-TECH) DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING B	N1303769 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 3
DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING A INTRCADD A DC) CC Course: (DFTG 1305) Technical Drafting Course offerings may vary each year due to availability In this course, students get an introduction to reading, interpreting, and developing technical drawings, including the principles of drafting and computer-aided design. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Interrequisite(s): Principles of Manufacturing CC Prerequisite(s): NA Infered only at: Dunbar (P-TECH) DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING B INTRCADD B DC)	N1303769 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 3 Tier I
DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING A INTRCADD A DC) CC Course: (DFTG 1305) Technical Drafting Course offerings may vary each year due to availability In this course, students get an introduction to reading, interpreting, and developing technical drawings, including the principles of drafting and computer-aided design. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Interrequisite(s): Principles of Manufacturing CC Prerequisite(s): NA Interred only at: Dunbar (P-TECH) DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING B INTRCADD B DC) ICC Course: (DFTG 1409) Basic Computer-Aided Drafting	N1303769 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 3 Tier I
DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING A INTRCADD A DC) CC Course: (DFTG 1305) Technical Drafting Course offerings may vary each year due to availability In this course, students get an introduction to reading, interpreting, and developing technical drawings, including the principles of drafting and computer-aided design. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Interrequisite(s): Principles of Manufacturing CC Prerequisite(s): NA Interred only at: Dunbar (P-TECH) DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING B INTRCADD B DC) ICC Course: (DFTG 1409) Basic Computer-Aided Drafting Course offerings may vary each year due to availability	N1303769 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 3 Tier I
DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING A INTRCADD A DC) CC Course: (DFTG 1305) Technical Drafting Course offerings may vary each year due to availability In this course, students get an introduction to reading, interpreting, and developing technical drawings, including the principles of drafting and computer-aided design. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Interrequisite(s): Principles of Manufacturing CC Prerequisite(s): NA Offered only at: Dunbar (P-TECH) DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING B INTRCADD B DC) CC Course: (DFTG 1409) Basic Computer-Aided Drafting Course offerings may vary each year due to availability In this course, students get an introduction to computer-aided drafting. Emphasis is placed on setup; creating	N1303769 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 3 Tier I STD03769B
DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING A INTRCADD A DC) CC Course: (DFTG 1305) Technical Drafting Course offerings may vary each year due to availability In this course, students get an introduction to reading, interpreting, and developing technical drawings, including the principles of drafting and computer-aided design. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Interrequisite(s): Principles of Manufacturing CC Prerequisite(s): NA Offered only at: Dunbar (P-TECH) DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING B INTRCADD B DC) CC Course: (DFTG 1409) Basic Computer-Aided Drafting Course offerings may vary each year due to availability In this course, students get an introduction to computer-aided drafting. Emphasis is placed on setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects, adding	N1303769 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 3 Tier I STD03769B
DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING A INTRCADD A DC) ICC Course: (DFTG 1305) Technical Drafting Course offerings may vary each year due to availability In this course, students get an introduction to reading, interpreting, and developing technical drawings, including the principles of drafting and computer-aided design. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Interrequisite(s): Principles of Manufacturing ICC Prerequisite(s): NA Interred only at: Dunbar (P-TECH) INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING B INTRCADD B DC) ICC Course: (DFTG 1409) Basic Computer-Aided Drafting Interred only are students get an introduction to computer-aided drafting. Emphasis is placed on setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects, adding ext and dimensions, using layers, coordinate systems, and plot/print to scale.	N1303769 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 3 Tier I STD03769B N1303769 Grade level: 10-12 HS Credit(s): 0.5
DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING A INTRCADD A DC) CCC Course: (DFTG 1305) Technical Drafting Course offerings may vary each year due to availability In this course, students get an introduction to reading, interpreting, and developing technical drawings, including the principles of drafting and computer-aided design. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. The rerequisite(s): Principles of Manufacturing CC Prerequisite(s): NA Office only at: Dunbar (P-TECH) DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING B INTRCADD B DC) ICC Course: (DFTG 1409) Basic Computer-Aided Drafting Course offerings may vary each year due to availability In this course, students get an introduction to computer-aided drafting. Emphasis is placed on setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects, adding ext and dimensions, using layers, coordinate systems, and plot/print to scale. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	N1303769 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 3 Tier I STD03769B N1303769 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4
DUAL CREDIT INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING A INTRCADD A DC) ICC Course: (DFTG 1305) Technical Drafting Course offerings may vary each year due to availability In this course, students get an introduction to reading, interpreting, and developing technical drawings, including the principles of drafting and computer-aided design. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Interrequisite(s): Principles of Manufacturing ICC Prerequisite(s): NA Interred only at: Dunbar (P-TECH) INTRODUCTION TO COMPUTER AIDED DESIGN AND DRAFTING B INTRCADD B DC) ICC Course: (DFTG 1409) Basic Computer-Aided Drafting Interred only are students get an introduction to computer-aided drafting. Emphasis is placed on setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects, adding ext and dimensions, using layers, coordinate systems, and plot/print to scale.	N1303769 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 3 Tier I STD03769B N1303769 Grade level: 10-12 HS Credit(s): 0.5

DUAL CREDIT INTERMEDIATE COMPUTER AIDED DESIGN AND DRAFTING AB	STD03770AB
(INTMCADD AB DC)	
TCC Course: (DFTG 2440) Solid Modeling/Design	
*Course offerings may vary each year due to availability	N1202770
In this course, students learn the development of three-dimensional drawings and models from engineering sketches and orthographic drawings and utilization of three-dimensional models in design work.	N1303770 Grade level: 10-12
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing	HS Credit(s): 1 College Hour(s): 4
TCC Prerequisite(s): None	Tier I
Offered only at: Dunbar (P-TECH)	
DUAL CREDIT MANUFACTURING ENGINEERING TECHNOLOGY I A (MANENGT1 A DC)	MAD32900A
TCC Course: (MCHN 1338) Basic Machine Shop I *Course offerings may vary each year due to availability	
In this course, students are introduced to machining fundamentals. The student will use basic machine tools	13032900
including the lathe, milling machine, drill press, power saw, and bench grinder. Machine terminology, theory,	Grade level: 10-12
math, part layout, and bench work using common measuring tools is included. Emphasis is placed on shop	HS Credit(s): 0.5
safety, housekeeping, and preventative maintenance.	
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	College Hour(s): 3
Prerequisite(s): Principles of Manufacturing	Tier I
TCC Prerequisite(s): DFTG 1305 and DFTG 1409	
Offered only at: Dunbar (P-TECH)	
DUAL CREDIT MANUFACTURING ENGINEERING TECHNOLOGY I B (MANENGT1 B DC)	MAD32900B
TCC Course: (MCHN 2303) Fundamentals of CNC Machine Controls	
*Course offerings may vary each year due to availability	
In this course, students are introduced to programming and operation of Computer Numerical Controlled (CNC)	13032900
machine shop equipment.	Grade level: 10-12
machine shop equipment. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	HS Credit(s): 0.5
machine shop equipment. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing	HS Credit(s): 0.5 College Hour(s): 3
machine shop equipment. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	HS Credit(s): 0.5
machine shop equipment. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing	HS Credit(s): 0.5 College Hour(s): 3
machine shop equipment. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): DFTG 1305 and DFTG 1409	HS Credit(s): 0.5 College Hour(s): 3
machine shop equipment. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): DFTG 1305 and DFTG 1409 Offered only at: Dunbar (P-TECH)	HS Credit(s): 0.5 College Hour(s): 3 Tier I
machine shop equipment. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): DFTG 1305 and DFTG 1409 Offered only at: Dunbar (P-TECH) DUAL CREDIT INTRODUCTION TO AIRCRAFT TECHNOLOGY AB (INAIRTEC AB DC)	HS Credit(s): 0.5 College Hour(s): 3 Tier I
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): DFTG 1305 and DFTG 1409 Offered only at: Dunbar (P-TECH) DUAL CREDIT INTRODUCTION TO AIRCRAFT TECHNOLOGY AB (INAIRTEC AB DC) TCC Course: (AERM 1315) Aviation Science *Course offerings may vary each year due to availability	HS Credit(s): 0.5 College Hour(s): 3 Tier I TPD39401AB
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): DFTG 1305 and DFTG 1409 Offered only at: Dunbar (P-TECH) DUAL CREDIT INTRODUCTION TO AIRCRAFT TECHNOLOGY AB (INAIRTEC AB DC) TCC Course: (AERM 1315) Aviation Science *Course offerings may vary each year due to availability In this course, students learn the fundamentals of mathematics, physics, and drawings as they apply to aircraft	HS Credit(s): 0.5 College Hour(s): 3 Tier I TPD39401AB
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): DFTG 1305 and DFTG 1409 Offered only at: Dunbar (P-TECH) DUAL CREDIT INTRODUCTION TO AIRCRAFT TECHNOLOGY AB (INAIRTEC AB DC) TCC Course: (AERM 1315) Aviation Science *Course offerings may vary each year due to availability In this course, students learn the fundamentals of mathematics, physics, and drawings as they apply to aircraft principles and operations as required by the Federal Aviation Administration (FAA) for airframe and powerplant	HS Credit(s): 0.5 College Hour(s): 3 Tier I TPD39401AB 13039350 Grade level: 10-12
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): DFTG 1305 and DFTG 1409 Offered only at: Dunbar (P-TECH) DUAL CREDIT INTRODUCTION TO AIRCRAFT TECHNOLOGY AB (INAIRTEC AB DC) TCC Course: (AERM 1315) Aviation Science *Course offerings may vary each year due to availability In this course, students learn the fundamentals of mathematics, physics, and drawings as they apply to aircraft principles and operations as required by the Federal Aviation Administration (FAA) for airframe and powerplant mechanics. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing	HS Credit(s): 0.5 College Hour(s): 3 Tier I TPD39401AB 13039350 Grade level: 10-12 HS Credit(s): 1
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Principles of Manufacturing TCC Prerequisite(s): DFTG 1305 and DFTG 1409 Offered only at: Dunbar (P-TECH) DUAL CREDIT INTRODUCTION TO AIRCRAFT TECHNOLOGY AB (INAIRTEC AB DC) TCC Course: (AERM 1315) Aviation Science *Course offerings may vary each year due to availability In this course, students learn the fundamentals of mathematics, physics, and drawings as they apply to aircraft principles and operations as required by the Federal Aviation Administration (FAA) for airframe and powerplant mechanics. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	HS Credit(s): 0.5 College Hour(s): 3 Tier I TPD39401AB 13039350 Grade level: 10-12 HS Credit(s): 1 College Hour(s): 3

Cybersecurity P-TECH Academy – STEM Endorsement

FOR THE GRADUATING CLASS OF 2024 and beyond

The Cybersecurity P-TECH Academy offers two (2) Career Focuses.

Eastern Hills High School Cybersecurity P-TECH Academy Cybersecurity Crosswalk

Gr.	9 th Gra	nde	10 th G	rade	11 th Gra	ade	12 th	Grade
Sem.	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
	English I	English I	English II	English II	English III	English III	English IV	English IV
	World Geography	World Geography	World History	World History	US History	US History	US Government	Economics
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	Algebra II or Pre- Calculus	Algebra II or Pre-Calculus	Calculus or Pre-Calculus	Calculus or Pre- Calculus
	Biology	Biology	Chemistry	Chemistry	Physics	Physics	Advanced Science	Advanced Science
ō	Health	PE	Dual Credit Fine Arts	Dual Credit Speech	PE		oc.ccc	Je.eee
High School	Dual Credit Principles of IT AB (ITD27201AB) AND Dual Credit Computer Maintenance I AB (ITD27302AB)	Dual Credit Foundations of Cybersecurity AB (ITD27904AB) AND Dual Credit Networking AB (ITD27402AB)	Dual Credit Computer Science II AB (TAD2153AB)	Dual Credit Fundamentals of Computer Science AB (TAD2140AB)	Dual Credit Internetworking Technologies 1A (ITD28012A) AND Dual Credit Digital Forensics A (TAD80360A)	Dual Credit Internetwork- ing Technologies 1B (ITD28012B)	Dual Credit Digital Forensics B (TAD80360B)	Dual Credit Cybersecurity Capstone AB (ITD27900AB)
	AVID 1	AVID 1	AVID 2	AVID 2	1 Student Choice	2 Student Choices	2 Student Choices	3 Student Choices
	COSC 1301 ^a	CPMT1403	ITNW 1425	ITSY 1300	ITSY 2400°	ITSY 2401 ^a	ITSY 2342 ^b	ITSY 2459
College		ITNW 1309	ARTS 1301 ⁴ or DRAM 1310 ⁴ or MUSI 1310 ⁴	SPCH 1311 ² or SPCH 1315 ² or SPCH 1321 ²	MATH 1314 ³ or MATH 1316 ³ or MATH 2412 ³ or MATH 2413 ³	ITSY 2330 ^a	ITSY 2372 ^b MATH 1314 ³ or MATH 1316 ³ or MATH 2412 ³ or MATH 2413 ³	PSYC 2301 ⁵ or ECON 2301 ⁵ or SOCI 1301 ⁵
					ENGL 1301 ¹	ENGL 1302 or ENGL 2311	ENGL 1301 ¹	ENGL 1302 or ENGL 2311
Hrs.	Up to 6	Up to 7	Up to 7	Up to 7	Up to 14	Up to 10	Up to 13	Up to 10
27 hour *TSI con Credit of Student	te Degree: AAS Cybe Level Certification(se; Ethical Hacking, Lempliance or TSI waive course for TSI placements who complete Prince tworking Technologie	s): Cybersecurity ! wel 2 certification r will determine if ent courses. ciples of IT, Found	Specialist, Level I – 47 hours the course is take	en as a Dual curity,				

requirements for the Cybersecurity Program of Study for a Business and Industry or STEM endorsement if the math and science requirements are met.

Eastern Hills High School Cybersecurity P-TECH Academy

Programming Crosswalk

Gr.	9 th Gr	ade		Grade		Grade	12 th	Grade
Sem.	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
	English I	English I	English II	English II	English III	English III	English IV	English IV
	World Geography	World Geography	World History	World History	US History	US History	US Government	Economics
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	Algebra II or Pre-Calculus	Algebra II or Pre-Calculus	Calculus or Pre-Calculus	Calculus or Pre-Calculus
	Biology	Biology	Chemistry	Chemistry	Physics	Physics	Advanced Science	Advanced Science
<u>-</u>	Health	PE	Fine Arts	Speech	PE			
High School	Dual Credit Principles of IT AB (ITD27201AB) AND Dual Credit Computer Maintenance IAB (ITD27302AB)	Dual Credit Foundations of Cybersecurity AB (ITD27904AB) AND Dual Credit Networking AB (ITD27402AB)	Dual Credit Computer Science II AB (TAD2153AB)	Dual Credit Fundamentals of Computer Science AB (TAD2140AB)	Dual Credit Computer Science III AB (TAD2155AB)	Dual Credit Independent Study in Technology Applications AB (TAD2144AB)		Dual Credit Engineering Applications of Computer Science Principles AB (STD03772AB)
	AVID 1	AVID 1	AVID 2	AVID 2	1 Student Choice	2 Student Choice	3 Student Choice	3 Student Choice
	COSC 1301 ^a	CPMT 1403	COSC 1436	ITSY 1300	ITSE-1479 ^a	ITSE-2417 ^a	ITSE-2409 ^b	ITSE-1450b
		ITNW 1309	ITNW 1425		COSC 1437 ^a	COSC-2436 ^b		
College			ARTS 1301 ⁴ or DRAM 1310 ⁴ or MUSI 1310 ⁴	SPCH 1311 ² or SPCH 1315 ² or SPCH 1321 ²	MATH 1314 ³ or MATH 1316 ³ or MATH 2412 ³ or MATH 2413 ³		MATH 1314 ³ or MATH 1316 ³ or MATH 2412 ³ or MATH 2413 ³	PSYC 2301 ⁵ or ECON 2301 ⁵ or SOCI 1301 ⁵
					ENGL 1301 ¹	ENGL 1302 or	ENGL 1301 ¹	ENGL 1302 or
Hrs.	Up to 6	Up to 7	Up to 7	Up to 7	Up to 15	ENGL 2311 Up to 11	Up to 11	ENGL 2311 Up to 10
Program *TSI con Credit of Student Scie App Soft	e: AAS-Programming Level Certification mming II, Level 2 – 4 mpliance or TSI waive course for TSI placents who complete Furence II, Computer Scolications will have not ware Development M endorsement if the server of the server	n(s): Programming 5 hours ver will determine in nent courses. Indamentals of Cor itience III, and Inde the requirements for Program of Study	if the course is tal nputer Science, C pendent Study in or the Programm for a Business an	ken as a Dual omputer Technology ing and d Industry or				

COURSE DESCRIPTIONS FOR THE CYBERSECURITY P-TECH

DUAL CREDIT PRINCIPLES OF INFORMATION TECHNOLOGY AB (PRINIT DC AB)	ITD27201AB
FCC Course: (COSC 1301) Introduction to Computing +	
Course offerings may vary each year due to availability	
Students will develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students will enhance reading, writing, computing, communication, and reasoning skills and apply hem to the information technology environment. Additionally, students will learn an overview of computer systems-hardware, operating systems, the Internet, and application software including word processing, preadsheets, presentation graphics, and databases. Current topics such as the effect of computers on society, and the history and use of computers in business, educational, and other interdisciplinary settings are also studied. This course is not intended to count toward a student's major field of study in business or computer	13027200 Grade level: 9 - 10 HS Credit(s): 1
science. <u>nstructional Material</u> : Contact the Office of Innovation, Early College Programs Department for related materials.	Collogo Hour(s): 2
Contact the Office of Innovation, Early College Programs Department for related materials. Corequisites: Dual Credit Computer Maintenance AB CC Prerequisite(s): None Course taught by a TCC-approved adjunct instructor Offered only at: Diamond Hill Jarvis (P-TECH), Eastern Hills (P-TECH), South Hills (P-TECH), and TCC South Collegiate (P-TECH)	College Hour(s): 3 Tier I
DUAL CREDIT FUNDAMENTALS OF COMPUTER SCIENCE AB (TAFCS DC AB)	TAD2140AB
FCC Course: (CPMT 1403) Introduction to Computer Technology	IADEITOAD
Course offerings may vary each year due to availability	
Students will gain an understanding of current personal computer hardware including assembly, upgrading, setup, configuration, and troubleshooting.	03580140 Grade level: 10 – 12
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None FCC Prerequisite(s): None	HS Credit(s): 1 College Hour(s): 4 Tier I
Course taught by a TCC-approved adjunct instructor Offered at: Eastern Hills (P-TECH) and South Hills (P-TECH)	
DUAL CREDIT FOUNDATIONS OF CYBERSECURITY AB (FODCYBER AB DC)	ITD27904AB
TCC Course: (ITSY 1300) Fundamentals of Information Security	
*Course offerings may vary each year due to availability	
Students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, aws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and rulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in his course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study. Additionally, the college course will introduce students to information security including vocabulary and terminology, ethics, the legal environment, and risk management. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning, policies and controls also discussed.	03580850 Grade level: 9 HS Credit(s): 1
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. WISD Prerequisite(s): None Corequisites: Dual Credit Networking AB	College Hour(s): 3 Tier I
TCC Prerequisite(s): None Course taught by a TCC-approved adjunct instructor Offered only at: Eastern Hills (P-TECH)	
DUAL CREDIT NETWORKING AB (NTWRK DC AB)	ITD27402AB
FCC Course: (ITNW 1425) Fundamentals of Networking Technologies	
Course offerings may vary each year due to availability	
Students will develop knowledge of the concepts and skills related to data networking technologies and practices in order to apply them to personal or career development. To prepare for success, students will have apportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Additionally, students receive Instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software.	13027400 Grade level: 10 – 11 HS Credit(s): 1
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Dual Credit Computer Maintenance Corequisites: Dual Credit Foundations of Cybersecurity AB CC Prerequisite(s): ITSC 1305 Introduction to PC Operating Systems Course taught by a TCC-approved adjunct instructor	College Hour(s): 4 Tier I

Offered only at: Eastern Hills (P-TECH) and South Hills (P-TECH)

DUAL CREDIT COMPUTER SCIENCE II (TACS 2 DC AB) TAD2153AB TCC Course: (COSC 1436) Programming Fundamentals I+ *Course offerings may vary each year due to availability Computer Science I will foster students' creativity and innovation by presenting opportunities to design, 03580300 implement, and present meaningful programs through a variety of media. Students will collaborate with one Grade level: 10 HS Credit(s): 1 another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts. Additionally, will be introduced to the fundamental concepts of structured programming and provides a comprehensive introduction to programming for computer science and technology majors. Topics include software development methodology, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. This course assumes computer literacy. This course is included in the Field of Study Curriculum for Computer Science. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. College Hour(s): 4 FWISD Prerequisite(s): Dual Credit Principles of IT AB Tier I TCC Prerequisite(s): COSC 1301 Introduction to Computing + Course taught by a TCC-approved adjunct instructor Offered only at: Eastern Hills (P-TECH) and South Hills (P-TECH) **DUAL CREDIT COMPUTER SCIENCE III (TACS 3 DC AB)** TAD2155AB TCC Course: (COSC 1437) Programming Fundamentals II + *Course offerings may vary each year due to availability Students learn advanced skills in programming languages and structured programming techniques through the 03580350 use of advanced data structures and the discussion of memory allocation and de-allocation. The course offers Grade level: 10 - 11 students the opportunity to explore projects related to individual interests such as business applications, HS Credit(s): 1 computer graphics, and sound. Additionally, the college course will focus on the object-oriented programming paradigm, emphasizing the definition and use of classes along with fundamentals of object-oriented design. The course includes basic analysis of algorithms, searching and sorting techniques, and an introduction to software engineering processes. Students will apply techniques for testing and debugging software. (This course is included in the Field of Study Curriculum for Computer Science.) Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. College Hour(s): 4 FWISD Prerequisite(s): Algebra I; Dual Credit Computer Science 1AB Tier I TCC Prerequisite(s): COSC 1436 Programming Fundamentals I + Course taught by a TCC-approved adjunct instructor Offered only at: Eastern Hills (P-TECH) **DUAL CREDIT INDEPENDENT STUDY IN TECHNOLOGY AB (TBD: TAIND AB DC)** TAD2144AB TCC Course: (COSC 2436) Programming Fundamentals III *Course offerings may vary each year due to availability Computer Science III will foster students' creativity and innovation by presenting opportunities to design, 03580900 implement, and present meaningful programs through a variety of media. Students will collaborate with one Grade level: 11 - 12 another, their instructor, and various electronic communities to solve the problems presented throughout the HS Credit(s): 1 course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of advanced computer science data structures through the study of technology operations, systems, and concepts. Additionally, the college course will include further applications of programming techniques, introducing the fundamental concepts of data structures and algorithms. Topics include data structures (including stacks, queues, linked lists, hash tables, trees, and graphs), searching, sorting, recursion, and algorithm analysis. Programs will be implemented in an appropriate object-oriented language. (This course is included in the Field of Study Curriculum for Computer Science.) Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. College Hour(s): 4 Prerequisite(s): DC Computer Science II AB Tier I TCC Prerequisite(s): COSC 1437 Programming Fundamentals II + Course taught by a TCC-approved adjunct instructor

Offered only at: Eastern Hills (P-TECH)

DUAL CREDIT COMPUTER SCIENCE I AB (TACS 1 DC AB) TCC Course: (ITNW 1309) Fundamentals of Cloud Computing	TAD2151AB
*Course offerings may vary each year due to availability	
Students will be introduced to personal computer operating systems including installation, configuration, file	03580200
management, memory and storage management, control of peripheral devices, and use of utilities.	Grade level: 11-12
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	HS Credit(s): 1
FWISD Prerequisite(s): None	College Hour(s): 3
TCC Prerequisite(s): None	Tier I
Course taught by a TCC-approved adjunct instructor	
Offered at: Carter-Riverside HS (P-TECH)	
DUAL CREDIT ENGINEERING APPLICATIONS FOR COMPUTER SCIENCE PRINCIPLES (EACSP AB DC)	STD03772AB
TCC Course: (ITSE 1450) System Analysis and Design	
*Course offerings may vary each year due to availability	
This is a design-based high school course for students who want to expand and deepen their engineering design	N1303772
skills and habits of mind through the purposeful integration and application of computer science (CS) principles	Grade level: 11 - 12
and practices. Developed by University of Texas, this hands-on course engages students in authentic, integrated	HS Credit(s): 1
engineering and CS practices in a project-based environment. Additionally, students will be introduced to the	
planning, design, and construction of computer information systems using the systems development life cycle	
and other appropriate design tools.	
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	College Hour(s): 4
FWISD Prerequisite(s): Dual Credit Computer Science III	Tier I
TCC Prerequisite: COSC 1436 Programming Fundamentals 1+	
Course taught by a TCC-approved adjunct instructor	
Offered only at: Eastern Hills (P-TECH)	
HONORS INTERNETWORKING TECHNOLOGIES I AB (INTNET1 AB/H)	ITH28012AB
Using a lab setting that corresponds to the work place, students design local and wide-area networks. Students	N1302803
focus on network fundamentals, router theory, router technologies, network design, and network management.	Grade level: 11 - 12
Students begin preparation for CISCO industry certification. Students in this honors course will complete a project	HS Credit(s): 1
using the five phases of project management used in the business and industry environment.	113 Cledit(3). 1
Instructional Material: Contact Career and Technical Education Department for related materials	Collogo Hour(s): NA
<u>Prerequisite(s)</u> : Networking I AB, excludes P-TECH programs	College Hour(s): NA Tier II
Teacher must be CISCO certified.	Hei II
Offered only at: Carter Riverside and Eastern Hills	
•	ITD20012A
DUAL CREDIT INTERNETWORKING TECHNOLOGIES I A (INTNET1 A DC) (Available Fall 2023)	ITD28012A
TCC Course: (ITSY 2400) Operating System Security	
*Course offerings may vary each year due to availability	
Using a lab setting that corresponds to the work place, students design local and wide-area networks. Students	N1302803
focus on network fundamentals, router theory, router technologies, network design, and network management.	Grade level: 11 - 12
Students begin preparation for CISCO industry certification. Additionally, students will learn how to safeguard	HS Credit(s): .5
computer operating systems by demonstrating server support skills and designing and implementing a security	
system. Students will identify security threats, monitor network security implementations and use best practices	
to configure operating systems to industry security standards.	
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	College Hour(s): 4
FWISD Prerequisite(s): Dual Credit Foundations of Cybersecurity AB	Tier I
<u>Corequisite</u> : Dual Credit Digital Forensics A	
TCC Prerequisite(s): ITSY 1300 Fundamentals of Information Security	
Course taught by a TCC-approved adjunct instructor	
Offered only at: Eastern Hills (P-TECH)	
DUAL CREDIT INTERNETWORKING TECHNOLOGIES I B (INTNET1 A DC) (Available Fall 2023)	ITD28012B
TCC Course: (ITSY 2401) Firewalls and Network Security	110200120
*Course offerings may vary each year due to availability	
Using a lab setting that corresponds to the work place, students design local and wide-area networks. Students	N1302803
focus on network fundamentals, router theory, router technologies, network design, and network management.	Grade level: 11 - 12
Students begin preparation for CISCO industry certification. Additionally, the college course will help students	HS Credit(s): .5
loom to identify elements of fivewall design times of account threating to the five of the	
learn to identify elements of firewall design, types of security threats and responses to security attacks. Use Best Practices to design, implement, and monitor a network security plan. Examine security incident postmortem	
Practices to design, implement, and monitor a network security plan. Examine security incident postmortem reporting and ongoing network security activities.	
Practices to design, implement, and monitor a network security plan. Examine security incident postmortem reporting and ongoing network security activities. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	College Hour(s): 4
Practices to design, implement, and monitor a network security plan. Examine security incident postmortem reporting and ongoing network security activities. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): Dual Credit Foundations of Cybersecurity AB	College Hour(s): 4 Tier I
Practices to design, implement, and monitor a network security plan. Examine security incident postmortem reporting and ongoing network security activities. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): Dual Credit Foundations of Cybersecurity AB TCC Prerequisite(s): ITSY 1300 Fundamentals of Information Security	-
Practices to design, implement, and monitor a network security plan. Examine security incident postmortem reporting and ongoing network security activities. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): Dual Credit Foundations of Cybersecurity AB	-

JAL CREDIT DIGITAL FORENSICS A (TADGFR A DC)	TAD80360A
CC Course: (ITSY 2341) Security Management Practices	
ourse offerings may vary each year due to availability	
gital Forensics introduces students to the knowledge and skills of digital forensics providing a survey of the	03580360
ld of digital forensics and incident response. Digital forensics is an evolving discipline concerned with	Grade level: 9-12
alyzing anomalous activity on computers, networks, programs, and data. As a discipline, it has grown with the	HS Credit(s): 0.5
nergence of a globally-connected digital society. As computing has become more sophisticated, so too have	
e abilities of malicious agents to access systems and private information. By evaluating prior incidents, digital	
rensics professionals have the ability to investigate and craft appropriate responses to disruptions to	
rporations, governments, and individuals. Whereas cybersecurity takes a proactive approach to information	
surance to minimize harm, digital forensics takes a reactive approach to incident response. Additionally, this	
llege course provides in-depth coverage of security management, practices, including asset evaluation and risk	
anagement; cyber law and ethics issues; policies and procedures; business recovery and business continuity anning; network security design; and developing and maintaining a security plan.	
structional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	College Hour(s): 3
VISD Prerequisite(s): Dual Credit Foundations of Cybersecurity AB	Tier I
requisites: Dual Credit Internetworking Technologies 1A	i ici i
C Prerequisite(s): ITSY 1300 Fundamentals of Information Security	
purse taught by a TCC-approved adjunct instructor	
fered only at: Eastern Hills (P-TECH)	
JAL CREDIT DIGITAL FORENSICS B (TADGFR B DC)	TAD80360B
CC Course: (ITSY 2342) Incident Response and Handling	
ourse offerings may vary each year due to availability	
gital Forensics introduces students to the knowledge and skills of digital forensics providing a survey of the	03580360
ld of digital forensics and incident response. Digital forensics is an evolving discipline concerned with	Grade level: 9-12
alyzing anomalous activity on computers, networks, programs, and data. As a discipline, it has grown with the	HS Credit(s): 0.5
nergence of a globally-connected digital society. As computing has become more sophisticated, so too have	
e abilities of malicious agents to access systems and private information. By evaluating prior incidents, digital	
rensics professionals have the ability to investigate and craft appropriate responses to disruptions to	
rporations, governments, and individuals. Whereas cybersecurity takes a proactive approach to information	
surance to minimize harm, digital forensics takes a reactive approach to incident response. Additionally, this	
llege course provides in-depth coverage of incident response and incident handling, including identifying	
urces of attacks and security breaches; analyzing security logs; recovering the system to normal; performing	
stmortem analysis; and implementing and modifying security measures.	
structional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	College Hour(s): 3
/ISD Prerequisite(s): Dual Credit Internetworking Technologies 1A and Dual Credit Digital Forensics A	Tier I
C Prerequisite(s): ITSY 2400 Operating System Security and ITSY 2401 Firewalls and Network Security	
ourse taught by a TCC-approved adjunct instructor	
fered only at: Eastern Hills (P-TECH)	ITD27000AP
JAL CREDIT CYBERSECURITY CAPSTONE AB (TACYBCAP AB DC) (Available Fall 2023) CC Course: (ITSY 2459) Security Assessment and Auditing	ITD27900AB
ourse offerings may vary each year due to availability	
the Cybersecurity Capstone course, students will develop the knowledge and skills needed to explore	03580855
vanced concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and	Grade level: 12
erations of cyberattacks, threats, and vulnerabilities. Students will develop security policies to mitigate risks.	HS Credit(s): 1
e skills obtained in this course prepare students for additional study toward industry certification. A variety of	113 Cicait(3). 1
urses are available to students interested in the cybersecurity field. Cybersecurity Capstone may serve as a	
Iminating course in this field of study.	
structional Material: Contact the Office of Innovation, Early College Programs Department for related materials	College Hour(s): 4
	Tier I
VISD <u>Prerequisite(s)</u> : Dual Credit Internetworking Technologies IA and Dual Credit Digital Forensics A	i iei i
	riei i

Medical Professions P-TECH Academy – Public Service or STEM

Endorsement

FOR THE GRADUATING CLASS OF 2024 and beyond

The Medical Professions P-TECH Academy offers one (1) Career Focus with multiple specialized certification opportunities.

North Side High School Medical Professions P-TECH Academy Medical Professions Crosswalk

Gr.	9 th Gra	ade	10 th	Grade	11 th Grade		12 th Grade		
Sem.	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	
	English I or II	English I or II	English II or *III	English II or *III	*English III or IV	English III or IV	*English IV or *English Elective	*English IV or *English Elective	
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	Algebra II or *Pre-Calculus	Algebra II, *Pre- Calculus, or	*Pre-Calculus or *Calculus or *Statistics	*Pre-Calculus or *Calculus or *Statistics	
	World Geography	World Geography	World History	World History	*US History	*US History	*Government	Economics	
	Biology	Biology	*Chemistry	*Chemistry	AP Biology or Physics	AP Biology or Physics	4 th Year Science*	4 th Year Science*	
High School	AVID or similar	AVID or similar	*Psychology World Language	Dual Credit Patho- physiology AB (HSD20801AB)					
I	World Language *PE	*World Language *PE		*Speech, Art	Dual Credit Pharmacology AB (HSD02044AB)				
	Dual Credit Principles of Health Science A (HSD02022A)	Dual Credit Principles of Health Science B (HSD02022B)	Science Theory	Honors Health Science Theory B (HSH02042B)	Honors Practicum in Health Science I - General Clinical Skills A (HSH05010A)	Honors Practicum in Health Science I- General Clinical Skills B (HSH05010B)	Honors Practic Science II: P Technic (HSH302	atient Care ian AB	
	EDUC 1300		SPCH 1311	PSYC 2301	ENGL 1301 GOV 2306	ENGL 1302 or ENGL 2311	ENGL 1301 or ENGL 2322	ENGL 1302 or ENGL 2311, or ENG 2323	
College	KINE 1164	KINE 1116	HIST 2311	ARTS 1301	MATH 1314 or 1342	PSYCH 2301	GOVT 2305	ECON 2301	
O	HPRS 1206~	HPRS 1304~		HPRS 2201 ~	HIST 1301	HIST 1302	BIOL 2401 or 1406	BIOL 2402 or 1407	
				HIST 2312	HPRS 2200 ~			HIST 2260	
Hrs.	Up to 5	Up to 4	Up to 6+	Up to 6+	Up to 11+	Up to 9+	Up to 13+	Up to 12+	

Degree: Associates of Arts – 60+ hours

College Level Certification(s): Health Science Pre-Professional, Level 1 – Patient Care Technician

Stackable Industry Certification(s): Pharmacy Technician (PhT), Dementia Specialist Certificate, Emergency Medical Technician (EMT), Patient Care Technician (PCT), Certified Nursing Assistant (CNA)

^{*}TSI compliance or TSI waiver will determine if the course is taken for dual credit. ~ elective credits for AA
Students who complete Principles of Health Science, Health Science Theory, Pathophysiology, and Practicum in Health Science will have met requirements for the Healthcare Diagnostics Program of Study for a Public Service or STEM endorsement if the math and science requirements are met.

COURSE DESCRIPTIONS FOR THE MEDICAL PROFESSIONS P-TECH

DUAL CREDIT PRINCIPLES OF HEALTH SCIENCE A: (PRINHLSC A DC) TCC COURSE: (HPRS 1206) Essentials of Medical Terminology	HSD02022A
Course offerings may vary each year due to availability	
Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, support dervices, and biotechnology research and development systems of the health care industry. Students learn that to bursue a career in the health science industry, they must be able to reason, think critically, make decisions, solve problems, and communicate effectively. They learn that quality health care depends on the ability to work well with others. Students identify and research employment opportunities, technology, and safety requirements of the different systems within health science field. They apply knowledge and skills needed to pursue a health cience career. Students are expected to employ their ethical and legal responsibilities, identify limitations, as well as understand the implications of their actions. This course will also introduce students to the structure of medical erms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. Additionally,	13020200 Grade level: 9 HS Credit(s): 0.5
his college course focuses on the study of medical terminology, word origin, structure, and application.	C.II
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): None CC Prerequisite(s): TSI Compliance in Reading and Writing	College Hour(s): 2 Tier I
Offered only at: North Side DUAL CREDIT PRINCIPLES OF HEALTH SCIENCE B: (PRINHLSC B DC)	HSD02022B
CC Course: (HPRS 1304) Basic Health Profession Skills	. 132020220
Course offerings may vary each year due to availability	
Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, support ervices, and biotechnology research and development systems of the health care industry. Students learn that to bursue a career in the health science industry, they must be able to reason, think critically, make decisions, solve problems, and communicate effectively. They learn that quality health care depends on the ability to work well with others. Students identify and research employment opportunities, technology, and safety requirements of the different systems within health science field. They apply knowledge and skills needed to pursue a health cience career. Students are expected to employ their ethical and legal responsibilities, identify limitations, as well as understand the implications of their actions. This course will also introduce students to the structure of medical erms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. Additionally, his college course focuses on concepts that serve as the foundation for health profession courses, including their care and safety issues, basic client monitoring, and health documentation methods.	13020200 Grade level: 9 HS Credit(s): 0.5
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	College Hour(s): 3
<u>Prerequisite(s)</u> : None <u>CC Prerequisite(s)</u> : TSI Compliance in Reading and Writing	Tier I
Offered only at: North Side HONORS HEALTH SCIENCE THEORY AB (HLTHSCI AB)	HSH02042AB
This course allows students to gain the knowledge and skills necessary for employment or continuing education in the health care industry. The Health Science Theory course is designed to provide for the development of industried development of industried knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development. In addition to the regular course curriculum, tudents in this honors course will complete a project using the five phases of project management used in the pusiness and industry environment.	130204200 Grade level: 10 HS Credit(s): 0.5
nstructional Material: DHO Health Science, Updated 8th Edition, Cengage Learning Inc.	College Hour(s): NA
Prerequisite(s): Dual Credit Principles of Health Science	Tier II
DUAL CREDIT PATHOPHYSIOLOGY AB (PATHO AB)	HSD20801AB
TCC COURSE: (HPRS 2201) Pathophysiology Course offerings may vary each year due to availability.	
n Dual Credit Pathophysiology, students will study of the pathology and general health management of diseases and injuries across the life span. Topics include etiology, symptoms, and the physical and psychological reactions o diseases and injuries.	13020800 Grade level: 10 - 12 HS Credit(s): 1
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): Biology and Chemistry; Dual Credit Principles of Health Science AB CC Prerequisite(s): TSI Compliance in Reading and Writing Offered only at: North Side	College Hour(s): 2 Tier III
DUAL CREDIT PHARMACOLOGY AB (PHARM AB)	HSD02044AB
TCC Course: (HPRS 2200) Pharmacology for Health Professions	
This course allows students to study drug classification, actions, therapeutics uses, adverse effects, routes of idministrations, and calculation of dosage.	13020950 Grade level:11-12
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	HS Credit(s): 1

HONORS PRACTICUM IN HEALTH SCIENCE I: GENERAL CLINICAL SKILLS/D AB	HSH05010AB
n addition to the regular course curriculum, students in this honors course will complete additional projects and	13020500
activities related to the program of study. In addition to the regular course curriculum, students in the honors	Grade level: 11
ourse will complete additional projects and activities related to the program of study. See the Practicum in	HS Credit(s): 2
Health Science I: General Clinical Skills course description in the Career & Technical Education, Health Science	
echnology section of this document.	
nstructional Material: Contact Early College High School Department for more information.	College Hour(s): NA
Prerequisites: Dual Credit Practicum in Health Science I: General Clinical Skills	Tier II
Offered only at: North Side	
HONORS PRACTICUM IN HEALTH SCIENCE II: PATIENT CARE TECHNICIAN/D AB	HSH30204AB
PHSPCT 2AB/H)	
The Practicum is designed to give students practical application of previously studied knowledge and skills. In this	13020510
louble period course, students will gain knowledge and skills to pursue a national Patient Care Technician	Grade level: 12
ertification. In this course the student will learn to perform skills like performing phlebotomy and ECG, taking	HS Credit(s): 2
ritals, assisting with activities of daily living, and providing comfort care. The student will gain basic knowledge of	
nedical terms, ethics, legal issues, and anatomy and physiology. In addition to the regular course curriculum,	
tudents in the honors course will complete additional projects and activities related to the program of study.	
See the Practicum in Health Science II: Patient Care Technician course description in the Career & Technical	
Education, Health Science Technology section of this document.	
nstructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prereguisites: Honors Practicum in Health Science I: General Clinical Skills B	~
rereguisites. Honors i racticami in ricatti science i. General cimical skiils b	Tier II

Education P-TECH Academy – Multidisciplinary or Public Service Endorsement

FOR THE GRADUATING CLASS OF 2024 and beyond

The Teaching P-TECH Academy offers one (1) Career Focus.

Polytechnic High School Education P-TECH Academy Education Crosswalk

Gr.	9 th Gr	ade	10 th	Grade	11 th (11 th Grade		2 th Grade
Sem.	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
	English I or II	English I or II	English II or *III	English II or *III	*English III or IV	*English III or IV	*English IV or *English Elective	*English IV or *English Elective
	Algebra I or Geometry or Algebra II	Algebra I or Geometry or Algebra II	Geometry or Algebra II or *Pre-Calculus	Geometry or Algebra II or *Pre-Calculus	Algebra II or *Pre-Calculus or *Statistics	Algebra II or *Pre-Calculus or *Statistics	Pre-Calculus or Calculus	Pre-Calculus or Calculus
	AP Human Geography	AP Human Geography	*US History	*US History	World History	World History	*Economics	*Government
High School	Biology or Chemistry	Biology or Chemistry	Chemistry or *Earth and Space Science	Chemistry or *Earth and Space Science	3 rd Year Science	3 rd Year Science	4 th Year Science or *Environm ental System	4 th Year Science or *Environmental Science
	AVID 1	AVID 1	AVID 2	AVID 2	AVID 3	AVID 3	AVID 4	AVID 4
		Health		PE				
			Spanish 1, 2, 3, 4, or 5	Spanish 1, 2, 3, 4, or 5	Spanish 1, 2, 3, 4, or 5	Spanish 1, 2, 3, 4, or 5		
	Honors Principles of Education AB (EDH14201AB)	Honors Principles of Education AB (EDH14201 AB)	PSAT	*Dual Credit Child Development AB (HVD24701AB)			*Dual Credit Practicum in Education & Training A (EDD14502A)	*Dual Credit Practicum in Education & Training B (EDD14502B)
	KINE 1164		*HIST 1301	*HIST 1302	*ENGL 1301	*ENGL 1302	*ENGL 2327 or *MATH 1350	*ENGL 2328 or *MATH 1351
ge		SPCH 1311	*GEOL 1401	*TECA 1354	*TECA 1303	*PHIL 2306		
College						*MATH 1314 or MATH 1342	*ECON 2301	*GOV 2305
		ARTS 1301			*PHYS 1415	*BIOL 1408	*BIOL 2306	_
					GOVT 2306		*EDUC 1301	*EDUC 2301
Hrs.	Up to 1	Up to 6	Up to 7	Up to 6	Up to 13	Up to 13	Up to 12	Up to 9

Associate Degree: AA Teaching – 60 hours College Level Certification(s): Educational Aide I Industry Certification(s): Educational Aide I

^{*} TSI compliance or TSI waiver will determine if the course is taken as a Dual Credit course for TSI placement courses.

Students who complete Principles of Education and Training, Child Development, and Practicum in Education and Training will have met requirements for the Teaching and Training Program of Study for a Public Service endorsement.

COURSE DESCRIPTIONS FOR THE EDUCATION P-TECH

HONORS PRINCIPLES OF EDUCATION AND TRAINING AB (PRINEDTR AB/H)	EDH14201AB
The course, Principles of Education and Training, is designed to introduce students to the various careers	13014200
available within the education and training career cluster. Students use self-knowledge and educational and	Grade level: 9 – 10
career information to analyze various careers within the education and training career cluster. They will also gain	HS Credit(s): 1
an understanding of the basic knowledge and skills essential to careers within the education and training career	
cluster. In addition to the regular course curriculum, students in this honors course will complete a project	
using the five phases of project management used in the business and industry environment. Instructional Material: ICEV Family and consumer Sciences Site, CEV Multimedia Ltd.,	College Hour(s): NA
Prerequisite(s): None	Tier II
Offered at: Arlington Heights, Benbrook, Carter-Riverside, Diamond Hill-Jarvis, Dunbar, Eastern Hills, North Side,	Hei II
Paschal, Polytechnic, South Hills, Southwest, Trimble Tech, Western Hills, and OD Wyatt	
DUAL CREDIT CHILD DEVELOPMENT AB (CHILDDEV AB DC)	HVD24701AB
TCC Course: (TECA 1354) Child Growth and Development	-
*Course offerings may vary each year due to availability	
This technical laboratory course addresses knowledge and skills related to child growth and development from	13024700
prenatal through school-age children. Students are equipped with child development skills necessary to promote	Grade level: 9 - 12
the well-being and healthy development of children and to investigate careers related to the care and education	HS Credit(s): 1
of children. Students explore the principles and procedures for promoting the physical, emotional, social, and	
intellectual development of young children, including those with special needs. Topics include characteristics of	
quality child care and career options related to the care and education of children. Additionally, this college	
course is a technical laboratory course that addresses the physical, emotional, social, language, and cognitive	
factors impacting growth and development of children through adolescence. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related	College Hour(s): 3
materials.	Tier I
Prerequisite(s): Honors Principles of Education and Training AB	
TCC Prerequisite(s): TSI	
Offered only at: Polytechnic (P-Tech)	
DUAL CREDIT UNPAID PRACTICUM IN EDUCATION AND TRAINING/D A (PRACEDTR A DC)	EDD14502A
TCC Course: (EDUC 1301) Introduction to the Teaching Profession	
*Course offerings may vary each year due to availability	
This college courses includes the study of the physical, emotional, social, language, and cognitive factors impacting	13014500
growth and development of children through adolescence. An enriched, integrated pre-service course and content	Grade level: 12
experience that provides active recruitment and institutional support of students interested in a teaching career,	HS Credit(s): 1
especially in high-need fields. The course provides students with opportunities to participate in early field	
observations at all levels of P-12 schools with varied and diverse student populations and provides students with	
support from college and school faculty, preferable in small cohort groups, for the purpose of introduction to	
analysis of the culture of schooling and classrooms. Course content should be aligned as applicable with State	
Board for Educator Certification Pedagogy and Professional Responsibilities standards. Course must include a minimum of 16 contact hours of field experience in P-12 classrooms. Criminal background check required	
prior to enrolling. Field experience required.	
ı varanın aranının aranın aran	
<u>Instructional Material:</u> Contact the Office of Innovation, Early College Programs Department for related materials.	College Hour(s): 3
	College Hour(s): 3 Tier I
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): Dual Credit Child Development AB TCC Prerequisite(s): TSI	
FWISD Prerequisite(s): Dual Credit Child Development AB TCC Prerequisite(s): TSI Course taught by an approved adjunct instructor.	
FWISD Prerequisite(s): Dual Credit Child Development AB TCC Prerequisite(s): TSI Course taught by an approved adjunct instructor. Offered only at: Polytechnic (P-Tech))	Tier I
FWISD Prerequisite(s): Dual Credit Child Development AB TCC Prerequisite(s): TSI Course taught by an approved adjunct instructor. Offered only at: Polytechnic (P-Tech)) DUAL CREDIT UNPAID PRACTICUM IN EDUCATION AND TRAINING/D B (PRACEDTR B DC)	
FWISD Prerequisite(s): Dual Credit Child Development AB TCC Prerequisite(s): TSI Course taught by an approved adjunct instructor. Offered only at: Polytechnic (P-Tech)) DUAL CREDIT UNPAID PRACTICUM IN EDUCATION AND TRAINING/D B (PRACEDTR B DC) TCC Course: (EDUC 2301) Introduction to Special Populations	Tier I
FWISD Prerequisite(s): Dual Credit Child Development AB TCC Prerequisite(s): TSI Course taught by an approved adjunct instructor. Offered only at: Polytechnic (P-Tech)) DUAL CREDIT UNPAID PRACTICUM IN EDUCATION AND TRAINING/D B (PRACEDTR B DC) TCC Course: (EDUC 2301) Introduction to Special Populations *Course offerings may vary each year due to availability	Tier I EDD14502B
FWISD Prerequisite(s): Dual Credit Child Development AB TCC Prerequisite(s): TSI Course taught by an approved adjunct instructor. Offered only at: Polytechnic (P-Tech)) DUAL CREDIT UNPAID PRACTICUM IN EDUCATION AND TRAINING/D B (PRACEDTR B DC) TCC Course: (EDUC 2301) Introduction to Special Populations *Course offerings may vary each year due to availability This college courses includes an enriched, integrated pre-service course and content experience that provides an	EDD14502B 13014500
FWISD Prerequisite(s): Dual Credit Child Development AB TCC Prerequisite(s): TSI Course taught by an approved adjunct instructor. Offered only at: Polytechnic (P-Tech)) DUAL CREDIT UNPAID PRACTICUM IN EDUCATION AND TRAINING/D B (PRACEDTR B DC) TCC Course: (EDUC 2301) Introduction to Special Populations *Course offerings may vary each year due to availability This college courses includes an enriched, integrated pre-service course and content experience that provides an overview of schooling and classrooms from the perspective of language, gender, socioeconomic status, ethnic	Tier I EDD14502B 13014500 Grade level: 12
FWISD Prerequisite(s): Dual Credit Child Development AB TCC Prerequisite(s): TSI Course taught by an approved adjunct instructor. Offered only at: Polytechnic (P-Tech)) DUAL CREDIT UNPAID PRACTICUM IN EDUCATION AND TRAINING/D B (PRACEDTR B DC) TCC Course: (EDUC 2301) Introduction to Special Populations *Course offerings may vary each year due to availability This college courses includes an enriched, integrated pre-service course and content experience that provides an overview of schooling and classrooms from the perspective of language, gender, socioeconomic status, ethnic and academic diversity, and equity with an emphasis on factors that facilitate learning. The course provides	EDD14502B 13014500
FWISD Prerequisite(s): Dual Credit Child Development AB TCC Prerequisite(s): TSI Course taught by an approved adjunct instructor. Offered only at: Polytechnic (P-Tech)) DUAL CREDIT UNPAID PRACTICUM IN EDUCATION AND TRAINING/D B (PRACEDTR B DC) TCC Course: (EDUC 2301) Introduction to Special Populations *Course offerings may vary each year due to availability This college courses includes an enriched, integrated pre-service course and content experience that provides an overview of schooling and classrooms from the perspective of language, gender, socioeconomic status, ethnic and academic diversity, and equity with an emphasis on factors that facilitate learning. The course provides students with opportunities to participate in early field observations of P-12 special populations and should be	Tier I EDD14502B 13014500 Grade level: 12
FWISD Prerequisite(s): Dual Credit Child Development AB TCC Prerequisite(s): TSI Course taught by an approved adjunct instructor. Offered only at: Polytechnic (P-Tech)) DUAL CREDIT UNPAID PRACTICUM IN EDUCATION AND TRAINING/D B (PRACEDTR B DC) TCC Course: (EDUC 2301) Introduction to Special Populations *Course offerings may vary each year due to availability This college courses includes an enriched, integrated pre-service course and content experience that provides an overview of schooling and classrooms from the perspective of language, gender, socioeconomic status, ethnic and academic diversity, and equity with an emphasis on factors that facilitate learning. The course provides students with opportunities to participate in early field observations of P-12 special populations and should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities	Tier I EDD14502B 13014500 Grade level: 12
FWISD Prerequisite(s): Dual Credit Child Development AB TCC Prerequisite(s): TSI Course taught by an approved adjunct instructor. Offered only at: Polytechnic (P-Tech)) DUAL CREDIT UNPAID PRACTICUM IN EDUCATION AND TRAINING/D B (PRACEDTR B DC) TCC Course: (EDUC 2301) Introduction to Special Populations *Course offerings may vary each year due to availability This college courses includes an enriched, integrated pre-service course and content experience that provides an overview of schooling and classrooms from the perspective of language, gender, socioeconomic status, ethnic and academic diversity, and equity with an emphasis on factors that facilitate learning. The course provides students with opportunities to participate in early field observations of P-12 special populations and should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Must include a minimum of 15 contact hours of field	Tier I EDD14502B 13014500 Grade level: 12
FWISD Prerequisite(s): Dual Credit Child Development AB TCC Prerequisite(s): TSI Course taught by an approved adjunct instructor. Offered only at: Polytechnic (P-Tech)) DUAL CREDIT UNPAID PRACTICUM IN EDUCATION AND TRAINING/D B (PRACEDTR B DC) TCC Course: (EDUC 2301) Introduction to Special Populations *Course offerings may vary each year due to availability This college courses includes an enriched, integrated pre-service course and content experience that provides an overview of schooling and classrooms from the perspective of language, gender, socioeconomic status, ethnic and academic diversity, and equity with an emphasis on factors that facilitate learning. The course provides students with opportunities to participate in early field observations of P-12 special populations and should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Must include a minimum of 15 contact hours of field experience in P-12 classrooms with special populations. Criminal background check required prior to enrolling.	EDD14502B 13014500 Grade level: 12 HS Credit(s): 1
FWISD Prerequisite(s): Dual Credit Child Development AB TCC Prerequisite(s): TSI Course taught by an approved adjunct instructor. Offered only at: Polytechnic (P-Tech)) DUAL CREDIT UNPAID PRACTICUM IN EDUCATION AND TRAINING/D B (PRACEDTR B DC) TCC Course: (EDUC 2301) Introduction to Special Populations *Course offerings may vary each year due to availability This college courses includes an enriched, integrated pre-service course and content experience that provides an overview of schooling and classrooms from the perspective of language, gender, socioeconomic status, ethnic and academic diversity, and equity with an emphasis on factors that facilitate learning. The course provides students with opportunities to participate in early field observations of P-12 special populations and should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Must include a minimum of 15 contact hours of field experience in P-12 classrooms with special populations. Criminal background check required prior to enrolling. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	EDD14502B 13014500 Grade level: 12 HS Credit(s): 1 College Hour(s): 3
FWISD Prerequisite(s): Dual Credit Child Development AB TCC Prerequisite(s): TSI Course taught by an approved adjunct instructor. Offered only at: Polytechnic (P-Tech)) DUAL CREDIT UNPAID PRACTICUM IN EDUCATION AND TRAINING/D B (PRACEDTR B DC) TCC Course: (EDUC 2301) Introduction to Special Populations *Course offerings may vary each year due to availability This college courses includes an enriched, integrated pre-service course and content experience that provides an overview of schooling and classrooms from the perspective of language, gender, socioeconomic status, ethnic and academic diversity, and equity with an emphasis on factors that facilitate learning. The course provides students with opportunities to participate in early field observations of P-12 special populations and should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Must include a minimum of 15 contact hours of field experience in P-12 classrooms with special populations. Criminal background check required prior to enrolling. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): Dual Credit Practicum in Education and Training A	EDD14502B 13014500 Grade level: 12 HS Credit(s): 1
FWISD Prerequisite(s): Dual Credit Child Development AB TCC Prerequisite(s): TSI Course taught by an approved adjunct instructor. Offered only at: Polytechnic (P-Tech)) DUAL CREDIT UNPAID PRACTICUM IN EDUCATION AND TRAINING/D B (PRACEDTR B DC) TCC Course: (EDUC 2301) Introduction to Special Populations *Course offerings may vary each year due to availability This college courses includes an enriched, integrated pre-service course and content experience that provides an overview of schooling and classrooms from the perspective of language, gender, socioeconomic status, ethnic and academic diversity, and equity with an emphasis on factors that facilitate learning. The course provides students with opportunities to participate in early field observations of P-12 special populations and should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Must include a minimum of 15 contact hours of field	EDD14502B 13014500 Grade level: 12 HS Credit(s): 1 College Hour(s): 3

Offered only at: Polytechnic (P-Tech)

Energy P-TECH Academy – Multidisciplinary Endorsement

FOR THE GRADUATING CLASS OF 2022 and beyond

The Energy P-TECH Academy offers three (3) Career Focuses.

Tarrant County College South/FWISD Collegiate High School Energy P-TECH Academy Electrical Line Technician Crosswalk

Gr.	9 th G	irade	10 ^t	h Grade	11 th G	irade	12 th	Grade
Sem.	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
	English I or II	English I or II	English II or *III	English II or *III	*English III or IV	*English III or IV	*English IV or *English Elective	*English IV or *English Elective
	Algebra I or Algebra 2	Algebra I or Algebra 2	Geometr y or Algebra II+ Geometr y	Geometry or Algebra II+ Geometry	*Statistics	*Pre- Calculus	*Pre-Calculus	* Calculus I
	*AP Human Geography	*AP Human Geography	*AP World History	*AP World History	*AP US History	*AP US History	*Government	*Economics
High School	Environ- mental Systems	Environ- mental Systems	Biology/ Physics *Chemis try	Biology/ Physics *Chemistry	Physics or *Chemistry	Physics or *Chemistry	4 th Year Science	4 th Year Science
High 9	Honors Principles of Applied Engineer- ing AB (STH36202 AB)	Honors Principles of Applied Engineer- ing AB (STH36202 AB)	Personal Financial Literacy	Dual Credit Principles of Information Technology AB (ITD27201AB)	Dual Credit Distribution and Logistics for Energy AB (TPD40300A B) AND Dual Credit Applied Mathematics for Technical Professionals AB (CPD0678AB)	Dual Credit Electrical Technology I AB (ARD05602 AB)	Dual Credit Construction Technology I AB (ARD00512 AB) OR Honors Project- Based Research A (STH01500A) OR Career Prep A (CP01302A)	Dual Credit HVAC and Refrigeration Technology I (MAD05800AB) OR Honors Project-Based Research B (STH01500B) OR Career Prep B (CP01300B)
	SPAN 1411 4	SPAN 1412 4	SPCH 1321	KINE 1304	*GOVT 2305	*Behavioral Science 3	*ENGL 1301	*ENGL 1302 or 2311 3
	KINE (PE) 1	KINE 1164 1	*ARTS	COSC 1301	LNWK 1341	HART 1401	LNWK 1371	*ECON 2302
College			LNWK 1301	LNWK 2321	TECM 1303	LNWK 2322	LNWK 2324	LNWK 1311
₩					LNWK 2321		OSHT 1305	HART 2431
0					LNWK 1241		GEOL 1305	
							HYDR 1301	ELPT 2347
							LNWK 1331	ELPT 2335
Hrs.	Up to 5	Up to 5	Up to 10	Up to 10	Up to 11	Up to 10	Up to 15	Up to 16

Degree: AAS Electronics Line Technician - 60+ hours

College Level Certification(s): Ground Technician Level 1 – 25 hours; Renewable Line Technician Level 2 – 44 hours **Industry Certification(s):** Microsoft Office Specialist – Word, PowerPoint, Excel, and/or Office 365; OSHA 10-hour general

^{*}TSI compliance or TSI waiver will determine if the course is taken as a Dual Credit course for TSI placement courses. Juniors and seniors that are not TSI met will take AP courses in-lieu of dual credit course.

Tarrant County College South/FWISD Collegiate High School Energy P-TECH Academy

Advanced Energy Technician Crosswalk

Gr.	9 th	Grade	10 th	Grade	11 th G	rade	12 th	Grade
Sem.	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
	English I or II	English I or II	English II or *III	English II or *III	*English III or IV	*English III or IV	*English IV or *English Elective	*English IV or *English Elective
	Algebra I or Algebra 2	Algebra I or Algebra 2	Geometry or Algebra II + Geometry	Geometry or Algebra II + Geometry	*Statistics	*Pre- Calculus	*Pre-Calculus	* Calculus I
	AP Human Geography	AP Human Geography	AP World History	AP World History	*AP US History	*AP US History	Government	Economics
High School	Environmen tal Systems	Environmental Systems	Biology/ Physics Chemistry Personal Financial Literacy	Biology/ Physics Chemistry	Physics or Chemistry	Physics or Chemistry	4 th Year Science	4 th Year Science
Hig	Honors Principles of Applied Engineering AB (STH36202 AB)	Honors Principles of Applied Engineering AB (STH36202AB)	Dual Credit Solid State Electronics A (STD36902 A)	Dual Credit Robotics I AB (STD37002AB)	Dual Credit Digital Electronics AB (STD37443A B) AND Dual Credit AC/DC Electronics AB (STD36802A B)	Dual Credit Solid State Electronic s B (STD36902 B)	Honors Project- Based Research AB (STH01500AB) OR Career Prep AB (CP01300AB)	Honors Project-Based Research AB (STH01500B) OR Career Prep AB (CP01300AB)
	SPAN 1411 4 or SPAN 2311 3	SPAN 1412 4 or SPAN 2312 3	KINE 1304	SPCH 1321	MATH 1314	MATH 1343	*ENGL 1301 GOV 2305	*ENGL 1302 or 2311 ECON 2301
College	KINE (PE) 1	KINE 1164 1	ARTS	ELMT 1402*	CETT 1449 (LAB)	*CETT 1441	*CETT 1445	* ELMT 2337
8		PTRT 1313	RBTC 1401	ELMT 1042 (LAB)	*CETT 1449	WIND 2459	WIND 2459 (LAB)	
		PTRT 1313 (LAB)	RBTC 1401 (LAB)	RBTC 1351	CETT 1409		*CSIR 1459	* CETT 2435
		LAB	LAB	LAB				
Renewable Energy Technology Level 1		PTRT 1313 (3) + LAB	RBTC 1401 (Lab)	ELMT 1402 (4) (Lab)	* CETT 1449 (Lab)	* CETT 1409 (Lab)	WIND 2459 (Lab)	* ELMT 2337 (Lab)
Hrs.	Up to 5	Up to 7	Up to 10	Up to 10	Up to 11	Up to 11	Up to 14	Up to 13

Degree: AAS Electronics Technology, Advanced Energy Technician – 60 hours **College Level Certification(s)**: Renewable Energy Technology Level 1 – 29 hours

Industry Certification(s): Microsoft Office Specialist – Word, PowerPoint, Excel, and/or Office 365; OSHA 10-hour general

^{*}TSI compliance or TSI waiver will determine if the course is taken as a Dual Credit course for TSI placement courses. Juniors and seniors that are not TSI met will take AP courses in-lieu of dual credit course.

Students who complete Principles of Applied Engineering, Solid State Electronics, Digital Electronics, and AC/DC Electronics will have met requirements for the Renewable Energy Program of Study for a Business and Industry or STEM endorsement if the math and science requirements are met.

Tarrant County College South/FWISD Collegiate High School Energy P-TECH Academy

Energy Business Crosswalk

Gr.	9 th (Grade		Grade	11th G		12 th G	irade
Sem.	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Jein.	English I or	English I or	English II	English II or	English III or	English III	English IV or	English IV or
	II	II	or *III	III	IV	or IV	English Elective	*English Elective
	Algebra I		Geometry	Geometry				-
	or Algebra	Algebra I or	and/or	and/or	*Statistics	*Pre-	*Pre-Calculus	* Calculus I
	2	Algebra 2	Algebra II	Algebra II		Calculus		
	AP Human	AP Human	AP World	AP World	*AP US	* AP US		
	Geography	Geography	History	History	History	History	Government	Economics
			Biology		_			
	Environ-	Environ-			Dla vai a a a u	Dla vai a a a a		
	mental	mental	Personal	Biology	Physics or	Physics or	4 th Year Science	4 th Year Science
	Systems	Systems	Financial		Chemistry	Chemistry		
<u> </u>			Literacy					
High School							Dual Credit	Hanara
녚							Business Law AB (BAD11701 AB)	Honors Practicum in
≓					Dual Credit		AND/OR	Business
	Hamana	Hamana			Advanced		Honors Practicum	Management AB
	Honors Principles	Honors Principles of	Dual Credit	Dual Credit	Marketing AB	Dual Credit	in Business	(BAH12202 AB)
	of Applied	Applied	Business	Business	(MKD34700	Accounting	Management AB	OR
	Engineer-	Engineering	Manageme	English AB	AB)	1B	(BAH12202 AB)	Honors Project-
	ing AB	AB	nt AB	(BAD11600	AND	(FND16612	OR	Based Research
	(STH36202	(STH36202A	(BAD12102	AB)	Dual Credit	В)	Honors Project-	AB
	AB)	B)	AB)		Accounting		Based Research	(STH01500AB)
					1A (FND16612A)		AB (STH01500AB)	OR
					(FND10012A)		OR	Career Prep AB
							Career Prep AB	(CP01300AB)
							(CP01300AB)	*ENGL 1302 or
	KINE (PE) 1	KINE 1164	KINE 1304	SPCH 1321	*ENGL 1301	*ENGL 1302	*ENGL 1301 or	2311 or 2323 or
				0. 002.	2.102.100.	2.102 .502	2322 or 2327	2328
	SPAN 1411	SPAN 1412	ARTS	Language/	*MATH 1314	*MATH	*MATH 1314 or	*MATH 2412 or
_	or	or	1301	Culture	or 1342	2412	2413 or 1342	2414 2412 OF
College	SPAN 2311	SPAN 2312						
3			BUSI 1301	BCIS 1305	*HIST 1301	*HIST 1302	*ECON 2301	*ECON 2302
					*GOVT 2306	*GOVT 2305	BUSI 2305	
						ACCT 2302	*BIOL 1406/1408	*BIOL 1407/1409
					ACCT 2301	ACC1 2302	or *PHYS 1401 or	or *PHYS 1402
							*GEOL 1401	or *GEOL 1403
Busi								
ness			BUIGI 1001				F601: 0004	
Level			BUSI 1301	BMGT 1305	ACCT 1301	ACCT 1302	ECON 2301	ECON 2302
Certi			MRKG				BUSI 2301	
ficat								
e Hrs.	Up to 5	Up to 5	Up to 10	Up to 10	Up to 15	Up to 16	Up to 16	Up to 16
1113.		Business - 60+		OP 10 10	00 10 15	00 10 10	OP 10 10	οριο το
		el Certification		ertification Leve	el 1 – 24 hours			
					ord, PowerPoint,	Excel, and/or		
		SHA 10-hour g		<u> </u>				

^{*}TSI compliance or TSI waiver will determine if the course is taken as a Dual Credit course for TSI placement courses. Juniors and seniors that are not TSI met will take AP courses in-lieu of dual credit course.

Students who complete Business Management, Business Law, and Practicum in Business Management will have met requirements for the Business Management Program of Study for a Business and Industry endorsement.

TCC SOUTH/FWISD Collegiate HS Associates of Arts in Business /HS Diploma [Business Level 1 Certification] Multidisciplinary Endorsement

				uorsemen				
	9th Grade		9th Grade 10th Grade		11th (Grade	12th Grade	
	Fall Semester	Spring Semester	Fall Semester	Spring Semester	Fall Semester	Spring Semester	Fall Semester	Spring Semester
High School	English I or II	English I or II	English II or *III	English II or	English III or IV	English III or IV	English IV or English Elective	English IV or *English Elective
	Algebra I or Algebra II	Algebra I or Algebra II	Geometry or Algebra II + Geometry	Geometry or Algebra II + Geometry	*Statistics	*Pre-Calculus	*Pre-Calculus	* Calculus I
	Honors Human Geography	Honors Human Geography	AP World History	AP World History	AP US History	AP US History	Government	Economics
	Environmental Systems	Environmental Systems	Biology	Biology	Physics or Chemistry	Physics or Chemistry	4th Year Science	4th Year Science
	CTE – PAE	CTE – PAE	PFL or Health (Edgenuity)		PROBS1	PROBS1	Practicum in Business or PROBS 1/2	Practicum in Business or PROBS 1/2
	KINE 11XX	KINE 1164 (1)	KINE 1304 (SPCH 1321	*ENGL 1301 (*ENGL 1302	*ENGL 2322	*ENGL 2323
	SPAN 1411	SPAN 1412	ARTS 1301	*PHIL 1301 OR SPAN 2311 OR HUMA 1301 OR ENGL 2322	*MATH 1314 03101100 or 1342	*MATH 2412 or 1342	*MATH 1324	*MATH 2414
College AA in Business			USI 1301	BCIS 1305	*HIST 1302 (3) 03340100	*HIST 1301 (3) 03340100	ECON 2301	ECON 2302
					*GOVT 2306	*GOVT 2305	BUSI 2305	
					ACCT 2301	ACCT 2302	*BIOL 1408 or *PHYS 1401 or PHYS 1415 or GEOL 1401 4 or *CHEM 1411	*BIOL1409 110, PHYS1402 o GEOL 1403 or CHEM 1412
			BUSI 1301	BMGT 1305	ACCT 2301	ACCT 2302	ECON 2301	ECON 2302
Business Level 1 Certificate			MRKG 1311				BUSI 2301 (3) 13011700	
	Up to 5 hours	- 1	Up to 9 hours	Up to 9 hours	Up to 15 hours	Up to 15-16 hours	Up to 15 hours	Up to 15 hou
Associate of Arts in Bu Business Certification Business Certification DSHA 10-hour Genera	Level 1 (BUAD Level 2 (BUAD	.T011.UG) .T012.UG)	e Specialist –	Word, PowerP	oint, and Excel	(Office 365)	Business Level 2 additional courses BMGT 1327, BMG	: BCIS 1305,

^{*}TSI compliance or TSI waiver will determine if the course is taken as a Dual Credit course for TSI placement courses. Juniors and Seniors that are not TSI met will take AP courses in-lieu of dual credit course.

COURSE DESCRIPTIONS FOR BUSINESS ADMINSITRATION P-TECH

DUAL CREDIT BUSINESS INFORMATION MANAGEMENT I AB (BUSIM1 AB DC)	BAD11412AB
CC COURSE: Business Computer Applications (BCIS 1305)	
Courses may change due to availability	
tudents will study computer terminology, hardware, and software related to the business environment. The	13011400
ocus of this course is on business productivity software applications and professional behavior in computing,	Crada lavali 0 12
ncluding word processing (as needed), spreadsheets databases, presentation graphics, and business-oriented utilization of the Internet.	Grade level: 9 - 12 HS Credit(s): 1
nstructional Material: TCC Course: Business Computer Applications (BCIS 1305)	College Hour(s): 3
WISD Prerequisite(s): None	Tier I
CC Prerequisite(s): TSI	
Offered only at: Marine Creek, Success HS, YWLA, and TCC South Collegiate HS (P-Tech)	
DUAL CREDIT ADVANCED MARKETING (ADVMKTG AB DC)	MKD34700AB
TCC COURSE: PRINCIPLES OF MARKETING (MRKG 1311)	
*Course offerings may vary each year due to availability	
In this course, students will gain an introduction to the marketing mix functions and processes. The course	13034700
topics include: identification of consumer and organizational needs and explanation of environmental issues.	
<u>Instructional Material</u> : Contact the Office of Innovation, Early College Programs Department for related	Grade level: 11 - 12
materials.	HS Credit(s): 1
Prerequisite(s): Dual Credit Business Management	College Hour(s): 3
TCC Prerequisite(s): None	Tier I
Offered only at: Marine Creek, Success HS, YWLA, and TCC South Collegiate HS (P-Tech)	DAD40400AD
DUAL CREDIT BUSINESS MANAGEMENT AB (BUSMGT AB DC)	BAD12102AB
TCC COURSE: (BUSI 1301) Business Principles	
*Course offerings may vary each year due to availability	12012100
This course provides a survey of economic systems, forms of business ownership, and considerations for running	13012100
a business. Students will learn various aspects of business, management, and leadership functions; organizational considerations; and decision-making process. Financial topics are introduced, including	C d- ll- 0 12
accounting, money and banking, and securities markets. Also included are discussions of business challenges in	Grade level: 9-12
the legal and regulatory environment, business ethics, social responsibility, and International business.	HS Credit(s): 1
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	College Hour(s): 3
Prerequisite(s): None	Tier I
TCC Prerequisite(s): None	
Offered only at: Success HS and YMLA	
DUAL CREDIT BUSINESS LAW (BUSLAW AB DC)	BAD11701AB
TCC COURSE: BUSINESS LAW (BUS 2301)	
*Course offerings may vary each year due to availability	
This course provides the student with foundational information about the U.S. legal system and dispute	13011700
resolution, and their impact on business. The major content areas will include general principles of law, the	
relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law	Grade level: 9 - 12
and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context.	HS Credit(s): 1
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): 3
Prerequisite(s): None	Tier I
Offered only at: TCC South Collegiate HS (P-Tech), Success HS, and Diamond Hill Jarvis (P-Tech)	
DUAL CREDIT ACCOUNTING IA (ACCOUNT1 A DC)	FND16612A
TCC Course: Principles of Financial Accounting: (ACCT 2301)	
*Courses may change due to availability	100100-
This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally	13016600
accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations.	
Students will examine the procedures and systems to accumulate, analyze, measure, and record financial	
transactions. Students will use recorded financial information to prepare a balance sheet, income statement,	
statement of cash flows, and statement of shareholders' equity to communicate the business entity's results of	
operations and financial position to users of financial information who are external to the company. Students will	
study the nature of assets, liabilities, and owners' equity while learning to use reported financial information for	Grade level: 9 - 12
purposes of making decisions about the company. Students will be exposed to International Financial Reporting Standards (IFRS).	HS Credit(s): 0.5
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	College Hour(s): 3
<u>Prerequisite(s)</u> : None	Tier I
TCC Prerequisite(s): TSI compliant in Math	-
TCC Recommended Co-requisites: MATH 132/	

TCC Recommended Co-requisites: MATH 1324 Offered only at: YMLA and Success HS

DUAL CREDIT ACCOUNTING IB (ACCOUNT1B DC)	FND16612B
TCC Course: Principles of Managerial Accounting: (ACCT 2302)	
*Courses may change due to availability	
This course is an introduction to the fundamental concepts of managerial accounting appropriate for all	13016600
organizations. Students will study information from the entity's accounting system relevant to decisions made by	Grade level: 11 - 12
internal managers, as distinguished from information relevant to users who are external to the company. The	HS Credit(s): 0.5
emphasis is on the identification and assignment of product costs, operational budgeting and planning, cost	
control, and management decision making. Topics include product costing methodologies, cost behavior,	
operational and capital budgeting, and performance evaluation.	
Instructional Material: TCC Course: Principles of Managerial Accounting (ACCT 2302)	College Hour(s): 3
TCC Prerequisite(s): ACCT-2301	Tier I
Course taught by an approved adjunct instructor.	
Offered only at: Marine Creek, Success HS, and TCC South Collegiate HS (P-Tech)	

COURSE DESCRIPTIONS FOR THE ENERGY P-TECH

HONORS PRINCIPLES OF APPLIED ENGINEERING AB (PRAPPENG AB/H)	STH36202AB
In addition to the regular course curriculum, students in the honors course will complete additional projects and	13036200
activities related to the program of study.	Grade level: 9
Instructional Material: Principles of Applied Engineering, Texas Edition Reid, et al. 2017, Pearson Education	HS Credit(s): 1
Prerequisite(s): None	College Hour(s): NA
Offered only at: Trimble Tech and I.M. Terrell	Tier II
HONORS PROJECT-BASED RESEARCH IN STEM AB (PROBS1 ST AB/H)	STH01500AB
*Previously Problems and Solutions STEM	
Honors Project Based Research is a course student will research a real-world problem. Students develop a	12701500
project on a topic related to career interests, use scientific methods of investigation to conduct in-depth	Grade level: 11-12
research, are matched with a mentor from the business or professional community, compile findings, and	HS Credit(s): 1
present their findings to an audience that includes experts in the field. This course must be cooperatively	
planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or	
interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course.	Callege Haur(s), NA
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): TBD	College Hour(s): NA Tier II
Prerequisitets). TBD Offered only at: Dunbar and TCC South Collegiate HS	Her II
	BAH12202AB
HONORS UNPAID PRACTICUM IN BUSINESS MANAGEMENT/d AB (PRACBM AB)	
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of	13012200
career and technical education courses within the designated program of study This course is designed to give	Grade level: 11-12
students supervised practical application of previously studied knowledge and skill. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a	HS Credit(s): 2
successful transition to the workforce or postsecondary education. Students apply technical skills to address	
business applications of emerging technologies. Students develop a foundation in the economic, financial,	
technological, international, social, and ethical aspects of business to become competent consumers,	
employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning	
skills and apply them to the business environment. Students incorporate a broad base of knowledge that	
includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make	
appropriate business decisions. Instruction may be delivered through lab-based classroom experiences or career	
preparation opportunities. Practicum capstone experiences can occur in a variety of locations appropriate to the	
nature and level of experiences such as independent study, assistantships, mentorships, or laboratories. The	
various in-class capstone experiences include students working in a simulated environment, running an	
enterprise, or be involved in program-specific local projects the school has approved for this class. Additional	
capstone experiences also include students being selected to be a part of a work-based experience or industry	
training off-site, outside of school. Students will build a professional portfolio demonstrating skills in Business	
Management.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
<u>Prerequisites</u> : 2 credits from a combination of Business courses	Tier III
Offered at: TCC South Collegiate HS	
CAREER PREPARATION I AB (CAREERP1 AB)	CP01300AB
This course is a paid capstone experience for students who have found employment for the school year. Career	12701300
Preparation I provides opportunities for students to participate in a work-based learning experience that	Grade level: 11 - 12
combines classroom instruction with paid business and industry employment experiences. It supports strong	HS Credit(s): 2
partnerships among school, business, and community stakeholders. The goal is to prepare students with a	
variety of skills for a fast-changing workplace. Students are taught employability skills, which include job-specific	
skills applicable to their training station, job interview techniques, communication skills, financial and budget	
activities, human relations, and portfolio development. Career preparation is relevant and rigorous, supports	
student attainment of academic standards, and effectively prepares students for college and career success. A	
student must be a minimum age of 16 and hold valid work documentation, such as a Social Security card, to	
enroll in any paid learning experience course. In order to receive course credit, this course requires that	
students make a full year commitment to this course and their employment, are scheduled for 1 (one) class	
period of instruction, and are employed for ten hours per week (or average of 20 hours across two weeks) at an	
approved site within ten days of the beginning of the course. Work hours can be included during the school	
day or outside of school hours. If work hours are during the school day, students can be scheduled for work	
release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation	
plan.	Collogo Hourish MA
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA Tier III
Proroguesto(s): None	
rerequisite(s): None	Her III

CAREER PREPARATION II AB (CAREERP2 AB)	CP01400AB
The Career Preparation II course is for those students who are taking a Career Preparation course for the second	12701400
time and continue or have new employment during the duration of the course; working ten hours per week (or	Grade level: 12
average of 20 hours across two weeks). This course provides the same opportunities and requirements as the	HS Credit(s): 2
Career Preparation I course.	Callani III () N
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): None	Tier III
CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB)	CP01302AB
This course is a paid capstone experience for students who have found employment for the school year. Career Preparation I/Extended provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with paid business and industry employment experiences. It supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. Students are taught employability skills, which include jobspecific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success. A student must be a minimum age of 16 and hold valid work documentation, such as a Social Security card, to enroll in any paid learning experience course. In order to receive course credit, this course requires that students make a full year commitment to this course and their employment, are scheduled for 1 (one) class period of instruction, and are employed for fifteen hours per week (or average of 30 hours across two weeks) at an approved site within ten days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work	12701305 Grade level: 11-12 HS Credit(s): 3
release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation	
plan. <u>Instructional Material</u> : Contact Career and Technical Education Department for related materials	College Hour(s): NA
<u>Prerequisite(s):</u> 2 credits from a combination of Business courses	College Hour(s): NA Tier II
Offered at: TCC South Collegiate HS and Paschal	
DUAL CREDIT BUSINESS LAW (BUSLAW AB DC)	BAD11701AB
TCC COURSE: BUSINESS LAW (BUS 2301)	SAS I I VIAU
*Course offerings may vary each year due to availability	
This course provides the student with foundational information about the U.S. legal system and dispute	13011700
resolution, and their impact on business. The major content areas will include general principles of law, the	Grade level: 11 - 12
relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law	HS Credit(s): 1
and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context.	
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): 3
<u>Prerequisite(s)</u> : None	Tier I
Offered only at: TCC South Collegiate HS (P-Tech) and Diamond Hill Jarvis (P-Tech)	
DUAL CREDIT BUSINESS MANAGEMENT AB (BUSMGT AB DC)	BAD12102AB
TCC COURSE: Business Principles (BUSI 1301)	
*Course offerings may vary each year due to availability	
This course provides a survey of economic systems, forms of business ownership, and considerations for running a business. Students will learn various aspects of business, management, and leadership functions; organizational considerations; and decision-making process. Financial topics are introduced, including accounting, money and banking, and securities markets. Also included are discussions of business challenges in the legal and regulatory environment, business ethics, social responsibility, and International business.	13012100 Grade level: 10-12 HS Credit(s): 1
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): 3
Prerequisite(s): None	Tier I
Offered only at: TCC South Collegiate HS (P-Tech)	
DUAL CREDIT BUSINESS ENGLISH AB (BUSENGL AB DC)	BAD11600AB
TCC COURSE: Communication in Management (BSMGT 1305) *Course offerings may vary each year due to availability	
In this course, students will focus on the basic theory and processes of communication skills necessary for the	13011600
management of an organization's workforce.	Grade level: 10-12
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None	HS Credit(s): 1 College Hour(s): 3
Offered only at: TCC South Collegiate HS (P-Tech)	Tier I
DUAL CREDIT ACCOUNTING IA (ACCOUNT1 A DC)	FND16612A
TCC Course: Principles of Financial Accounting: (ACCT 2301) *Course offerings may vary each year due to availability	
This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S.	13016600
generally accepted accounting principles (GAAP) as applied to transactions and events that affect business	Grade level: 11 - 12
organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions.	HS Credit(s): 0.5

nstructional Material: TCC Course: Principles of Financial Accounting (ACCT 2301)	College Hour(s): 3
CC Prerequisite(s): TSI compliant in Math	Tier I
<u>FCC Recommended Co-requisites</u> : MATH 1324 Course taught by an approved adjunct instructor.	
Offered only at: Marine Creek and TCC South Collegiate HS (P-Tech)	
DUAL CREDIT ACCOUNTING IB (ACCOUNT1B DC)	FND16612B
TCC Course: Principles of Managerial Accounting: (ACCT 2302) *Course offerings may vary each year due to availability	
This course is an introduction to the fundamental concepts of managerial accounting appropriate for all	13016700
organizations. Students will study information from the entity's accounting system relevant to decisions made	Grade level: 11 - 12
by internal managers, as distinguished from information relevant to users who are external to the company. The	HS Credit(s): 0.5
emphasis is on the identification and assignment of product costs, operational budgeting and planning, cost	
control, and management decision making. Topics include product costing methodologies, cost behavior,	
operational and capital budgeting, and performance evaluation. <u>nstructional Material</u> : TCC Course: Principles of Managerial Accounting (ACCT 2302)	College Hour(s): 3
To Prerequisite(s): ACCT-2301	Tier I
Course taught by an approved adjunct instructor.	TICL 1
Offered only at: Marine Creek and TCC South Collegiate HS (P-Tech)	
DUAL CREDIT ROBOTICS I AB (ROBOT IAB DC)	STD37002AB
TCC Course: Robotics Mechanisms (RBTC 1351)	
Course offerings may vary each year due to availability	
n this course, students learn the application of principles and the calculation of practical problems involving	13037000
our bar linkages, cams, gears, and gear trains. Topics include vector quantities, angular displacement, motion concepts, velocities, and motions.	Grade level: 12
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related	HS Credit(s): 1 College Hour(s): 3
naterials.	Tier I
Prerequisite(s): None	
CC Prerequisite(s): MATH 1332	
Offered only at: Dunbar (P-Tech) and TCC South Collegiate HS (P-Tech)	
DUAL CREDIT AC/DC ELECTRONICS AB (ACDCELEC DC AB)	STD36802AB
CCC Course: DC-AC Circuits (CETT 1409)	
*Course offerings may vary each year due to availability n this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law,	13036800
Circhhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis	Grade level: 10-12
echniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools,	HS Credit(s): 1
circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad.	
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related	College Hour(s): 4
naterials. Prereguisite(s): None	Tier I
CC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score.	
CC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: TCC South Collegiate HS (P-Tech)	STD36902A
CC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score.	STD36902A
CCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) ICC Course: Programmable Logic Controllers (RBTC 1401) Course offerings may vary each year due to availability	STD36902A
CCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) ICC Course: Programmable Logic Controllers (RBTC 1401) Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units,	13036900
CC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: Programmable Logic Controllers (RBTC 1401) **Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and	13036900 Grade level: 10-12
CC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: Programmable Logic Controllers (RBTC 1401) Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming.	13036900 Grade level: 10-12 HS Credit(s): 0.5
CC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: Programmable Logic Controllers (RBTC 1401) **Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and	13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4
CC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: Programmable Logic Controllers (RBTC 1401) Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related	13036900 Grade level: 10-12 HS Credit(s): 0.5
CC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: Programmable Logic Controllers (RBTC 1401) Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4
CC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: Programmable Logic Controllers (RBTC 1401) **Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Pererequisite(s): None CCC Prerequisite(s): None Offered only at: Dunbar HS (P-Tech) and TCC South Collegiate HS (P-Tech)	13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4 Tier I
CCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: Programmable Logic Controllers (RBTC 1401) *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): None TCC Prerequisite(s): None Offered only at: Dunbar HS (P-Tech) and TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS B (SOSTELEC B DC)	13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4
CCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: Programmable Logic Controllers (RBTC 1401) Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): None ICC Prerequisite(s): None Offered only at: Dunbar HS (P-Tech) and TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS B (SOSTELEC B DC) TCC Course: Solid State Circuits (CETT 1441)	13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4 Tier I
CCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: Programmable Logic Controllers (RBTC 1401) Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): None TCC Prerequisite(s): None Offered only at: Dunbar HS (P-Tech) and TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS B (SOSTELEC B DC) TCC Course: Solid State Circuits (CETT 1441) Course offerings may vary each year due to availability	13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4 Tier I
CC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) (CC Course: Programmable Logic Controllers (RBTC 1401) (Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Orerequisite(s): None (CC Prerequisite(s): None Offered only at: Dunbar HS (P-Tech) and TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS B (SOSTELEC B DC) (CC Course: Solid State Circuits (CETT 1441) (Course offerings may vary each year due to availability In this course, students study various semiconductor devices incorporated in circuits and their applications.	13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4 Tier I
CC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: Programmable Logic Controllers (RBTC 1401) Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): None ICC Prerequisite(s): None Offered only at: Dunbar HS (P-Tech) and TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS B (SOSTELEC B DC) ICC Course: Solid State Circuits (CETT 1441) ICC ourse offerings may vary each year due to availability In this course, students study various semiconductor devices incorporated in circuits and their applications. Emphasis on circuit construction, measurements, and analysis.	13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4 Tier I STD36902B
CC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) (CC Course: Programmable Logic Controllers (RBTC 1401) (Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Orerequisite(s): None (CC Prerequisite(s): None Offered only at: Dunbar HS (P-Tech) and TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS B (SOSTELEC B DC) (CC Course: Solid State Circuits (CETT 1441) (Course offerings may vary each year due to availability In this course, students study various semiconductor devices incorporated in circuits and their applications.	13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4 Tier I STD36902B 13036900 Grade level: 10-12 HS Credit(s): 0.5
CCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: Programmable Logic Controllers (RBTC 1401) Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Perequisite(s): None ICC Prerequisite(s): None Offered only at: Dunbar HS (P-Tech) and TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS B (SOSTELEC B DC) ICC Course: Solid State Circuits (CETT 1441) ICC Course offerings may vary each year due to availability In this course, students study various semiconductor devices incorporated in circuits and their applications. Emphasis on circuit construction, measurements, and analysis. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related	13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4 Tier I STD36902B
CCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: Programmable Logic Controllers (RBTC 1401) Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Perequisite(s): None ICC Prerequisite(s): None Offered only at: Dunbar HS (P-Tech) and TCC South Collegiate HS (P-Tech) DUAL CREDIT SOLID STATE ELECTRONICS B (SOSTELEC B DC) TCC Course: Solid State Circuits (CETT 1441) IC Course offerings may vary each year due to availability In this course, students study various semiconductor devices incorporated in circuits and their applications. Emphasis on circuit construction, measurements, and analysis. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4 Tier I STD36902B 13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4

DUAL CREDIT DIGITAL ELECTRONICS AB (DIGELC AB DC) TCC Course: Digital Systems (CETT 1449)	STD37443AB
*Course offerings may vary each year due to availability	
In this course, students will learn about electronics covering digital systems. Emphasis on application and troubleshooting digital systems using counters, registers, code converters, multiplexers, analog-to-digital to-analog circuits, and large-scale integrated circuits.	13037600 Grade level: 10-12 HS Credit(s): 1
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	College Hour(s): 4 Tier I
<u>Prerequisite(s)</u> : None <u>TCC Prerequisite(s)</u> : MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. <i>Offered only at: Dunbar (P-Tech) and TCC South Collegiate HS (P-Tech)</i>	
DUAL CREDIT APPLIED MATHEMATICS FOR TECHNICAL PROFESSIONALS AB	CPD0678AB
(APMTHTP AB DC)	
TCC Course: TECHNICAL CALCULATIONS (TECM 1303)	
*Course offerings may vary each year due to availability	10701110
In this course, students will learn specific mathematical calculations required by business, industry and the health occupations.	12701410 Grade level: 11 - 12
<u>Instructional Material</u> : Contact the Office of Innovation, Early College Programs Department for related materials. <u>FWISD Prerequisite(s)</u> : None	HS Credit(s): 1 College Hour(s): 3 Tier I
TCC Prerequisite(s): MATH 0362 with a minimum grade of C or appropriate TSI Math placement score. Offered only at: TCC South Collegiate HS (P-Tech)	
DUAL CREDIT PRINCIPLES OF INFORMATION TECHNOLOGY AB (PRINIT DC AB)	ITD27201AB
TCC Course: INTRODUCTION TO COMPUTING (COSC 1301)	
*Course offerings may vary each year due to availability	
In this course, students will learn the overview of computer systems - hardware, operating systems, the internet, and application software including word processing, spreadsheets, presentation graphics, and databases. Current topics such as the effect of computers on society, and the history and use of computers in business, educational, and other interdisciplinary settings are also studied. This course is not intended to count toward a student's major field of study in business or computer science.	13027200 Grade level: 11 - 12 HS Credit(s): 1
<u>Instructional Material</u> : Contact the Office of Innovation, Early College Programs Department for related materials. <u>FWISD Prerequisite(s)</u> : None	College Hour(s): 3 Tier I
TCC Prerequisite(s): None Offered only at: Diamond Hill Jarvis (P-Tech), Eastern Hills (P-Tech), South Hills (P-Tech), and TCC South Collegiate HS (P-Tech)	
DUAL CREDIT DISTRIBUTION AND LOGISTICS FOR ENERGY AB (DISTLGSE AB DC) TCC Course: DISTRIBUTIONS OPERATIONS (LMWK 1341) *Course offerings may vary each year due to availability	TPD40300AB
This course will focus on the study of the theoretical and practical operation of electric utility distribution	13040300
systems. Topics include customer service voltages, capacitors, and coordination of protection equipment.	Grade level: 11 - 12
<u>Instructional Material</u> : Contact the Office of Innovation, Early College Programs Department for related materials. <u>Prerequisite(s)</u> : None	HS Credit(s): 1 College Hour(s): 3 Tier I
TCC Prerequisite(s): None	
Offered only at: TCC South Collegiate HS (P-Tech) DUAL CREDIT CONSTRUCTION TECHNOLOGY I AB/d (CONSTECH AB DC) TCC Course: REGULATION-CONSTRUCTION INDUSTRY (OSHT 1305)	ARD00512AB
*Course offerings may vary each year due to availability In this double blocked course, students will study Occupational Safety and Health Administration (OSHA)	13005100
regulations pertinent to the construction industry.	Grade level: 11 - 12
<u>Instructional Material</u> : Contact the Office of Innovation, Early College Programs Department for related materials.	HS Credit(s): 2 College Hour(s): 3
<u>Prerequisite(s)</u> : None <u>TCC Prerequisite(s)</u> : None	Tier I
Offered only at: TCC South Collegiate HS (P-Tech)	
DUAL CREDIT ELECTRICAL TECHNOLOGY I AB (ELECTEC AB DC) TCC COURSE: BASIC ELECTRICITY FOR HVAC (HART 1401)	ARD05602AB
*Course offerings may vary each year due to availability	
In this course, students will learn principles of electricity as required by HVAC, including proper use of test	13005600

Instructional Material: Contact the Office of Innovation, Early College Programs Department for related	HS Credit(s): 1
materials.	College Hour(s): 4
Prerequisite(s): None	Tier I
TCC Prerequisite(s): None	
Offered only at: TCC South Collegiate HS (P-Tech)	
DUAL CREDIT ADVANCED MARKETING (ADVMKTG AB DC)	MKD34700AB
TCC COURSE: PRINCIPLES OF MARKETING (MRKG 1311)	
*Course offerings may vary each year due to availability	
In this course, students will gain an introduction to the marketing mix functions and processes. The course	13034700
topics include: identification of consumer and organizational needs and explanation of environmental issues.	Grade level: 11 - 12
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related	HS Credit(s): 1
materials.	College Hour(s): 3
Prerequisite(s): Dual Credit Business Management	Tier I
TCC Prerequisite(s): BUSI 1301 and BMGT 1305	
Offered only at: TCC South Collegiate HS (P-Tech)	
DUAL CREDIT HEATING, VENTILATION, AIR CONDITIONG I AB (HVACREF1 AB DC)	MAD05800AB
TCC COURSE: ADVANCED ELECTRICITY FOR HVAC (HART 2431)	
*Course offerings may vary each year due to availability	
In this course, students will learn theory and practical application in the maintenance of commercial	13005800
refrigeration; medium, and low temperature applications and ice machines.	Grade level: 11 – 12
Instructional Material: Contact the Office Innovation, Early College Programs Department for related materials.	HS Credit(s): 1
Drawa wigitary Foundations of Francy and TCC sources LIART 1401	College Hour(s): 4
Prerequisites: Foundations of Energy and TCC course: HART 1401	conege riour(s). +
TCC Prerequisites: None.	Tier I

IT/Networking/Computer Maintenance P-TECH Academy –

Business & Industry Endorsement

FOR THE GRADUATING CLASS OF 2025 and beyond

The IT/Networking/Computer Maintenance P-TECH Academy offers one (1) Career Focus.

Carter-Riverside High School IT/Networking/Computer Maintenance P-TECH Academy Convergence Cloud Technology Crosswalk

Gr.	9 th G	rade	10 th	Grade	11 th (Grade	12 th	Grade
Sem.	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
	English I	English I	English II	English II	English III	English III	English IV	English IV
	World Geography	World Geography	World History	World History	US History	US History	Dual Credit US Government*	Economics
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	Algebra II or Pre- Calculus	Algebra II or Pre- Calculus	Calculus or Pre- Calculus	Calculus or Pre- Calculus
	Biology	Biology	Chemistry/ IPC/ Physics	Chemistry /IPC/ Physics	3rd Science	3rd Science	4th Science	4th Science
	Dual Credit Fine Arts Dual Credit Speech		Health	,				
	PE	PE						
chool	World Language	World Language	World Language	World Language				Dual Credit Foundations of Cyber Security AB (ITD27904AB)
High School		Dual Credit Principles of Emerging Information Technology AB (ITD27211AB)	Dual Credit Networking for Cloud Systems A (ITD27403A) AND Dual Credit Networking for Cloud Systems B (ITD27403B)	Dual Credit Project-Based Research for IT AB (CPD01501AB) Dual Credit Networking AB ² (ITD27402AB)	Dual Credit Internetworking Technologies for Cloud Systems IA (ITD28013A) AND/OR Dual Credit Unpaid Practicum in Emerging Information Technologies A (ITD28000A)	Dual Credit Internetworking for Cloud Systems II A (ITD28023A)	Dual Credit Computer Science I AB¹ (TAD2151AB) AND/OR Dual Credit Independent Study in Emerging Technologies I A (ITD81500A)	Dual Credit Engineering Applications of Computer Science Principles AB (STD03772AB) Dual Credit Unpaid Practicum in Emerging Information Technologies B (ITD28000B) AND/OR
								Dual Credit Independent Study in Emerging Technologies I B (ITD81500B)
			ITNW 1408	ITNW 1313	ITSC 1416^	ITSE 1303^#	ITNW 1309#	ITSE 1450#
0	Art 1301		ITNW 1454*	ITNW 1409	ITSE 1479#		ITNW 1436#	ITNW 2427^
College	SPCH 1321	CMPT 1403#		ITNW 1372	MUST TAKE ONE: DC MATH	MUST TAKE ONE: DC MATH	MUST TAKE ONE: DC MATH	MUST TAKE ONE: DC MATH
U				ITNW 1425#	ENGL 1301	ENGL 1302 or 2311	ENGL 1301	ENGL 1302, 2311, or 1301
						GOVT 2305	GOVT 2305	ITSY 1300^
Hrs.	Up to 6	Up to 7	Up to 7	Up to 7	Up to 13	Up to 10	Up to 16	Up to 14

Degree: AAS Convergence Technologies: Cloud Technology[^] - 60+ hours

College Level Certification(s): Advanced Convergence Technologies, Level 1; Convergence Cloud Technology*, Level 1 – 19-32 hours; or Convergence Technologies Occupational Skills Award – 10 hours

Industry Certification(s): Comp TIA Network* or Cisco Certifications

To complete an AA degree, students have the option of completing dual credit core courses. *TSI compliance or TSI waiver will determine if the course is taken as a Dual Credit course for TSI placement courses. Students that are not TSI met will take AP courses in-lieu of dual credit course. Students who complete Principles of Information Technology, Networking, Internetworking Technologies I, and Internetworking Technologies II will have met the requirements for the Networking Program of Study for a Business and Industry or STEM endorsement if the math and science requirements are met.

COURSE DESCRIPTIONS FOR THE IT/NETWORKING/COMPUTER MAINTENANCE P-TECH

	ITD28000A
(PRACITET1 A DC) TCC Course: ITSE 1479- Intro to Scripting Languages	
In this course, students will explore scripting languages including basic data types, control structures, regular	13028000
expressions, input/output, and textual analysis.	Grade level: 12
Instructional Material: Contact Career and Technical Education for related materials	HS Credit(s): 1
FWISD Prerequisite(s): Dual Credit Cloud Internetworking II B	College Hour(s): 4
TCC Prerequisite(s): ITC1440, ITSC 1416, ITSE 1303, and ITSC1316	Tier I
Offered at: Carter-Riverside HS (P-TECH)	
DUAL CREDIT PRINCIPLES OF EMERGING INFORMATION TECHNOLOGY A (PRINET DC AB)	ITD27211AB
TCC Course: (CMPT 1403) Introduction to Computer Technology	
*Course offerings may vary each year due to availability	
Students will be introduced to fundamental computer principles that provides explanation of the procedures to	13027200
utilize hardware and software. Emphasis on terminology, acronyms, and hands-on activities. Lecture hours: 3;	Grade level: 9-10
Lab hours: 2	HS Credit(s): 1.0
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	
	College Hour(s): 4
FWISD Prerequisite(s): None	Tier I
TCC Prerequisite(s): None	
Course taught by a TCC-approved adjunct instructor	
Offered at: Carter-Riverside HS (P-TECH)	
DUAL CREDIT NETWORKING AB (NTWRK DC AB)	ITD27402AB
TCC Course: (ITNW 1425) Fundamentals of Networking Technologies	
*Course offerings may vary each year due to availability	
Students will receive instruction in networking technologies and their implementation. Topics include the OSI	13027400
reference model, network protocols, transmission media, and networking hardware and software.	Grade level: 10 – 12
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	HS Credit(s): 1
Prerequisite(s): None	College Hour(s): 4
TCC Prerequisite(s): ITSC 1305	Tier I
Course taught by a TCC-approved adjunct instructor	
Offered at: Carter-Riverside (P-TECH), Eastern Hills (P-TECH) and South Hills (P-TECH)	
DUAL CREDIT NETWORKING FOR CLOUD SYSTEMS A (NTWRKC DC A)	ITD27403A
	IIDEITUUN
TCC Course: (ITNW 1408) Implementing and Supporting Client Operating Systems	11027405A
TCC Course: (ITNW 1408) Implementing and Supporting Client Operating Systems *Course offerings may vary each year due to availability	11027403A
*Course offerings may vary each year due to availability	
*Course offerings may vary each year due to availability Students will learn the fundamentals of managing and configuring network clients. Skills development in the	13027400
*Course offerings may vary each year due to availability Students will learn the fundamentals of managing and configuring network clients. Skills development in the management of client as desktop operating systems.	13027400 Grade level: 10-11
*Course offerings may vary each year due to availability Students will learn the fundamentals of managing and configuring network clients. Skills development in the management of client as desktop operating systems. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	13027400 Grade level: 10-11 HS Credit(s): 0.5
*Course offerings may vary each year due to availability Students will learn the fundamentals of managing and configuring network clients. Skills development in the management of client as desktop operating systems. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): Dual Credit Principles of Emerging Information Technologies B	13027400 Grade level: 10-11 HS Credit(s): 0.5 College Hour(s): 4
*Course offerings may vary each year due to availability Students will learn the fundamentals of managing and configuring network clients. Skills development in the management of client as desktop operating systems. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): Dual Credit Principles of Emerging Information Technologies B TCC Prerequisite(s): ITNW1425	13027400 Grade level: 10-11 HS Credit(s): 0.5
*Course offerings may vary each year due to availability Students will learn the fundamentals of managing and configuring network clients. Skills development in the management of client as desktop operating systems. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): Dual Credit Principles of Emerging Information Technologies B TCC Prerequisite(s): ITNW1425 Course taught by a TCC-approved adjunct instructor	13027400 Grade level: 10-11 HS Credit(s): 0.5 College Hour(s): 4
*Course offerings may vary each year due to availability Students will learn the fundamentals of managing and configuring network clients. Skills development in the management of client as desktop operating systems. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): Dual Credit Principles of Emerging Information Technologies B TCC Prerequisite(s): ITNW1425 Course taught by a TCC-approved adjunct instructor Offered at: Carter-Riverside HS (P-TECH)	13027400 Grade level: 10-11 HS Credit(s): 0.5 College Hour(s): 4 Tier I
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*Course offerings may vary each year due to availability Students will learn the fundamentals of managing and configuring network clients. Skills development in the management of client as desktop operating systems. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): Dual Credit Principles of Emerging Information Technologies B TCC Prerequisite(s): ITNW1425 Course taught by a TCC-approved adjunct instructor Offered at: Carter-Riverside HS (P-TECH) DUAL CREDIT NETWORKING FOR CLOUD SYSTEMS B (NTWRKC DC B) TCC Course: (ITNW 1454) Implementing and Supporting Servers *Course offerings may vary each year due to availability Students will implement, administer, and troubleshoot information systems that incorporate servers in a networked computing environment. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): Dual Credit Networking for Cloud Systems A TCC Recommended Prerequisite(s): ITNW 1408 Course taught by a TCC-approved adjunct instructor Offered at: Carter-Riverside (P-TECH) DUAL CREDIT PROJECT-BASED RESEARCH FOR IT (PROBSIT1 A/D) TCC Course: (ITNW 1313) Computer Virtualization *Course offerings may vary each year due to availability Students will learn the fundamentals of managing and configuring network clients. Skills development in the management of client as desktop operating systems.	13027400 Grade level: 10-11 HS Credit(s): 0.5 College Hour(s): 4 Tier I ITD27403B 13027400 Grade level: 10-11 HS Credit(s): 0.5 College Hour(s): 4 Tier I CPD01501A

DUAL CREDIT PROJECT-BASED RESEARCH FOR IT (PROBSIT1 B/D) TCC Course: (ITNW 1372) VMware, vSphere: Install, Configure, and Manage	CPD01501B
*Course offerings may vary each year due to availability	
Students will explore installation, configuration, and management of VMware, VSphere, ESXI, and VCenter Server.	12701500
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	Grade level: 10-11
FWISD Prerequisite(s): Dual Credit Networking for Cloud Systems B	HS Credit(s): 0.5
TCC Prerequisite(s): ITNW1454 and INTW 1425	College Hour(s): 3
Course taught by a TCC-approved adjunct instructor	Tier I
Offered at: Carter-Riverside HS (P-TECH)	
DUAL CREDIT INTERNETWORKING TECHNOLOGIES FOR CLOUD SYSTEMS I A INTNETC1 DC A)	ITD28013A
TCC Course: ITSC 1416 Linux Installation and Configuration	
Course offerings may vary each year due to availability	
Students will be introduced to the Linux operating system. Course topics include Linux installation, basic	N1302803
administration, utilities and commands, upgrading, networking, security, and application installation.	Grade level: 10-12
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	HS Credit(s): 0.5
<u>Instructional Material.</u> Contact the Office of Inflovation, Early Conege Programs Department for related materials. "WISD Prerequisite(s): None	College Hour(s): 4
	-
CC Prerequisite(s): None	Tier I
Course taught by a TCC-approved adjunct instructor	
Offered at: Carter-Riverside (P-TECH)	ITD01E004
DUAL CREDIT INDEPENDENT STUDY IN EMERGING TECHNOLOGIES I A (TAINDET1 A DC) FCC Course: ITNW 1436 Cloud Deployment/Infrst Mgmt	ITD81500A
Course offerings may vary each year due to availability	
Students will receive instruction in on-Cloud infrastructure, deployment, security models, and key considerations	03581500
n migrating to Cloud computing. Includes the technologies and processes required to build on-premise and	Grade level: 11-12
Cloud environments, including computation, storage, networking, virtualization, business continuity, security, and	
management.	
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	HS Credit(s): 0.5
:WISD Prerequisite(s): N/A	College Hour(s): 4
<u>FCC Prerequisite(s)</u> : ITSC 1316	Tier l
Course taught by a TCC-approved adjunct instructor	
Offered at: Carter-Riverside (P-TECH)	
DUAL CREDIT INDEPENDENT STUDY IN EMERGING TECHNOLOGIES I B (TAINDETI B DC)	ITD81500B
TCC Course: (ITNW 2427) Advanced Cloud Concepts	
*Course offerings may vary each year due to availability	
Students will receive instruction on enterprise Cloud architecture, with advanced topics including multi-Cloud	03581500
platforms inclusive of computing, networking, storage, monitoring and database.	Grade level: 11-12
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	HS Credit(s): 0.5
FWISD Prerequisite(s): Dual Credit Independent Studies in Emerging Technologies 1A	College Hour(s): 4
CC Prerequisite(s): N/A	Tier I
Course taught by a TCC-approved adjunct instructor	ilei i
Offered at: Carter-Riverside (P-TECH)	
DUAL CREDIT INTERNETWORKING TECHNOLOGIES FOR CLOUD SYSTEMS II AB	ITD28023AB
(INTNETC2 DC A)	
TCC Course: (ITSE 1303) Introduction to MySQL	
Course offerings may vary each year due to availability	
Students will receive instruction on the fundamentals of SQL and relational databases.	N1302804
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	Grade level: 11-12
	HS Credit(s): 0.5
CC Prerequisite(s): ITCC 1440	College Hour(s): 3
Course taught by a TCC-approved adjunct instructor	Tier I
Offered at: Carter-Riverside (P-TECH)	-
DUAL CREDIT COMPUTER SCIENCE I AB (TACS 1 DC AB)	TAD2151AB
CCC Course: (ITNW 1309) Fundamentals of Cloud Computing	
Course offerings may vary each year due to availability	
Students will be introduced to personal computer operating systems including installation, configuration, file	03580200
management, memory and storage management, control of peripheral devices, and use of utilities.	Grade level: 11-12
	HS Credit(s): 1
	HN L FACILICI: 1
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	, ,
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. WISD Prerequisite(s): None	College Hour(s): 3
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. WISD Prerequisite(s): None CC Prerequisite(s): None	, ,
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. WISD Prerequisite(s): None CC Prerequisite(s): None ourse taught by a TCC-approved adjunct instructor	College Hour(s): 3
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	College Hour(s): 3

DUAL CREDIT FOUNDATIONS OF CYBERSECURITY AB (FODCYBER DC AB)	ITD27904AB
TCC Course: (ITSY 1300) Fundamentals of Information Security	
Course offerings may vary each year due to availability	
students will be introduced to information security including vocabulary and terminology, ethics, the legal	03580850
environment, and risk management. Identification of exposures and vulnerabilities and appropriate	Grade level: 10-12
ountermeasures are addressed. The importance of appropriate planning, policies and controls is also discussed.	HS Credit(s): 1
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	College Hour(s): 3
WISD Prerequisite(s): None	Tier I
CC Prerequisite(s): None	
Course taught by a TCC-approved adjunct instructor	
Offered at: Carter-Riverside HS (P-TECH)	
DUAL CREDIT ENGINEERING APPLICATIONS FOR COMPUTER SCIENCE PRINCIPLES (EACSP AB DC)	STD03772AB
TCC Course: (ITSE 1450) System Analysis and Design	
Course offerings may vary each year due to availability	
his is a design-based high school course for students who want to expand and deepen their engineering design	N1303772
kills and habits of mind through the purposeful integration and application of computer science (CS) principles	Grade level: 11 - 12
and practices. Additionally, students will be introduced to the planning, design, and construction of computer	HS Credit(s): 1
nformation systems using the systems development life cycle and other appropriate design tools.	
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	College Hour(s): 4
WISD Prerequisite(s): Dual Credit Computer Science III	Tier I
TCC Prerequisite: N/A	
Course taught by a TCC-approved adjunct instructor	
Offered only at: Carter-Riverside HS (P-TECH)	

Architecture/Construction Logistics P-TECH Academy –

Business & Industry Endorsement

FOR THE GRADUATING CLASS OF 2025 and beyond

The Architecture/Construction & Logistics P-TECH Academy offers three (3) Career Focuses.

Diamond Hill-Jarvis High School Architecture/Construction Logistics P-TECH Academy Architecture Crosswalk

Gr.	9 th (irade	10 th	Grade	11 th (Grade	12 th	Grade
Sem.	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
	English I or II	English I or II	English II or *III	English II or *III	*English III or IV	*English III or IV	*English IV	*English IV
	Algebra I	Algebra I or	Geometry or	Geometry or	Algebra II or *Pre-	Algebra II or *Pre-	*Pre-Calculus,	*Pre-Calculus,
	or	Geometry	Algebra II	Algebra II	Calculus	Calculus	*Calculus or	*Calculus or *Statistics
	Geometry						*Statistics	if needed
	World	World	*AP World	*AP World History	*AP US History	*AP US History	*Econ. or Dual	
	Geography	Geography	History				Credit Govt.	
	Biology	Biology	Chemistry	Chemistry	Physics	Physics	4th Year Science	4th Year Science
	Health	Dual Credit	Dual Credit Fine			*Econ. or Dual		
		Speech *	Arts *			Credit Govt.		
	World	World	World Language	World Language	Possible Elective	Possible Elective		
	Language	Language						
	PE	PE						
High School	Dual Credit	Dual Credit	Dual Credit	Dual Credit	Dual Credit	Dual Credit	Dual Credit Unpaid	Dual Credit Unpaid
l ç	Principles	Principles of	Architectural	Architectural	Computer Aided	Construction	Practicum in	Practicum in
Š	of Architecture	Architecture B ¹	Design I A ¹ (ARD04602A)	Design II/d A ¹ (ARD04702A)	Drafting for Architecture	Management for Architecture I/d	Architectural Design/d I A ¹	Architectural
į	Architecture A ¹	(ARD04200	(ARDU4602A)	(ARD04702A)	A ¹	Architecture i/d A ¹	(ARD04802A)	Design/d II A ¹ (ARD04810AB)
Ī	(ARD04200	(ARD04200 B)			(ARD00429A)	(ARD04903A)	(ARDU40UZA)	(ARDU46 IUAB)
	A)	<i>D)</i>			(AND00423A)	(AND04303A)		
		Dual	Dual Credit	Dual Credit	Dual Credit	Dual Credit	Dual Credit Unpaid	
		Credit	Architectural	Principles of	Computer Aided	Construction	Practicum in	
		Professional	Design IB ²	Construction for	Drafting	Management for	Architectural	
		Communi-	(ARD04602B)	Architecture A ²	for Architecture	Architecture I/d	Design/d I B ²	
		cation T ²		(ARD04202A)	B ²	B ²	(ARD04802B)	
		(AVD09901			(ARD00429B)	(ARD04903B)		
		T)		D 16 15	D 10 12			
				Dual Credit Principles of	Dual Credit Architectural			
				Construction for	Design II/d B ³			
				Architecture B ³	(ARD04702B)			
				(ARD04202B)	(ANDO-102B)			
	ARCH	ARCH	ARTS 1301**	ARCH 1304 ¹	ARCH 1307 ¹	ARCH 2301 ¹	ENG 1301**	ENGL 1302
۵.	1315 ¹	1311 ¹						
College		SPCH 1321 ² **	ARCH 2312 ¹	ARCE 1342 ²	ARCH 1308 ²	SRVY 1301 ²	MATH 1314**	MATH 2412
ပိ		-	ARCH 1303 ²	ARCE 2352 ³	ARCH 1301 ³	GOVT 2305	ARCH 1302 ¹	ARCT 2367 ¹ ***
							ARCH 2302 ²	
Hrs.	Up to 3	Up to 6	Up to 9	Up to 9	Up to 9	Up to 9	Up to 12	Up to 10

Degree: AAS Architectural Technology - 60 hours

College Level Certification(s): Architectural CAD Operator, Level 1; Architectural Paraprofessional, Level 1 – 18-30 hours; or Architectural Technology Occupational Skills Award – 10 hours.

Industry Certification(s): Autodesk Certified User in AutoCAD

^{*}TSI compliance or TSI waiver will determine if the course is taken as a Dual Credit course for TSI placement courses. Students that are not TSI met will take AP courses in-lieu of dual credit course. The COLLEGE DISTRICT and SCHOOL DISTRICT will utilize the crosswalk to collaborate strategic course offerings for students participating in the dual credit program towards college degree completion through the term of the agreement. Career and Technical Education (CTE) program requirements will be provided for CTE course offerings. **Required for AAS *** 16 weeks with industry partner Students who complete Principles of Architecture, Architectural Design I, Architectural Design II, and Practicum in Architectural Design will have met requirements for the Architectural Design Program of Study for a Business and Industry or STEM endorsement if the math and science requirements are met.

Diamond Hill-Jarvis High School Architecture/Construction Logistics P-TECH Academy Construction Management Crosswalk

Gr.	9 th (Grade	10 ^t	h Grade	11 th Gra	nde	12 th	Grade
Sem.	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
	English I or II Algebra I or Geometry	English I or II Algebra I or Geometry	English II or *III Geometry or Algebra II	English II or *III Geometry or Algebra II	*English III or IV Algebra II or *Pre- Calculus	*English III or IV Algebra II or *Pre-Calculus	*English IV *Pre-Calculus or *Calculus or *Statistics	*English IV * Pre-Calculus or *Calculus or *Statistics if needed
	World Geography	World Geography	*AP World History	*AP World History	*AP US History	*AP US History	Government or *Economics DC if needed	
	Biology Health	Biology Dual Credit Speech *	Chemistry Dual Credit Fine Arts *	Chemistry	Physics	Physics *HS Government or DC Economics	4th Year Science	4th Year Science
hool	World Language PE	World Language PE	World Language	World Language				
High School	Dual Credit Principles of Construction Management A ¹ (ARD04203A)	Dual Credit Professional Communication T ¹ (AVD09901T) AND Dual Credit Principles of Construction Management B ² (ARD04203B)	Dual Credit Construction Technology for Management I/d A¹ (ARD00513A) AND Dual Credit Construction Technology for Management I/d B² (ARD00513B)	Dual Credit Computer Aided Drafting for Construction Management AB¹ (ARD00439AB) AND Dual Credit Construction Technology II/d AB² (ARD05202AB)	Dual Credit Construction Management for Construction I/d A¹ (ARD04904A) AND Dual Credit Construction Management for Construction I/d B² (ARD04904B) AND Dual Credit Business Management for Construction A³ (BAD12103A)	Dual Credit Business Management for Construction B¹ (BAD12103B) AND Dual Credit Principles of Information Technology AB² (ITD27201AB)	Dual Credit Unpaid Practicum in Construction Management I/d A ¹ (ARD06202A)	Dual Credit Unpaid Practicum in Construction Management I/d B ¹ (ARD06202B)
o o	CNBT 1110 ¹	SPCH 1321 ¹ ** CNBT 1300 ²	ARTS 1301** CNBT 1302 ¹	ARCH 1315 ¹ CNBT 1342 ²	SRVY 1301 ¹ CNBT 1346 ²	CNBT 1327 BMGT 1327 ¹	ENG 1301 MATH 1314	ENGL 1302 4 th year 2 nd semester HS MATH 2412 Needed for .5 High
College			CNBT 1311 ²	CNBT 1316 ²	GEOL 1305**	ECON 2301**	CNBT 2337 ¹	School Credit CNBT 2266 ¹ Requires 16 hours a week with Industry Partner
					CNBT 2342 ³	COSC 1301 ²	CNBT 2335 ¹	maasty rartier
Hrs.	Up to 3	Up to 6	Up to 9	Up to 9	Up to 12	Up to 12	Up to 12	Up to 10

Degree: AAS Construction Management Technology - 60 hours

College Level Certification(s): Construction Inspection Technician, Level 1; Construction Management Technology, Level 1 – 19-25 hours **Industry Certification(s):** NCCER Core Curriculum, NCCER Construction Technology, and/or OSHA 10-Hour Construction Industry

Students who complete Principles of Construction Management, Construction Management I, and Practicum in Construction Management will have met requirements for the Construction Management and Inspection Program of Study for a Business and Industry endorsement.

^{*}TSI compliance or TSI waiver will determine if the course is taken as a Dual Credit course for TSI placement courses. Students that are not TSI met will take AP courses in-lieu of dual credit course. The COLLEGE DISTRICT and SCHOOL DISTRICT will utilize the crosswalk to collaborate strategic course offerings for students participating in the dual credit program towards college degree completion through the term of the agreement. Career and Technical Education (CTE) program requirements will be provided for CTE course offerings. **Required for AAS

Diamond Hill-Jarvis High School

Architecture/Construction Logistics P-TECH Academy Logistics and Supply Chain Management Crosswalk

Alg Ge	9th Gr. Fall glish I or II gebra I or eometry World	Spring English I or II Algebra I or Geometry	Fall English II or *III Geometry or Algebra II	Spring English II or *III Geometry or	Fall *English III or IV	Spring *English III or IV	Fall *English IV	Spring *English IV
Alg Ge	gebra I or eometry World	Algebra I or Geometry	Geometry or	English II or *III	-		*English IV	
Ge	eometry World	Geometry	,	Geometry or				g
				Algebra II	Algebra II or *Pre-Calculus	Algebra II or *Pre-Calculus	*Pre-Calculus or *Calculus or *Statistics	* Pre-Calculus or *Calculus or *Statistics if needed
	9,	World Geography	*AP World History	*AP World History	*AP US History	*AP US History	*DC Economics or HS Government	
В	Biology	Biology	Chemistry	Chemistry	Physics	Physics	4th Year Science	4th Year Science
	Health	Dual Credit Speech *	Dual Credit Fine Arts *			*DC Economics or HS Government		
World World	d Language	World Language	World Language	World Language				
ē	PE	PE						
Du Bi Info Man	ial Credit dusiness formation hagement I AB ¹ D11412AB)	Dual Credit Professional Communication T ¹ (AVD09901T)	Dual Credit Management of Transportation Systems AB ¹ (TPD40200AB)	Dual Credit Distribution and Logistics B ¹ (TPD40301B)	Dual Credit Business Management for Logistics AB ¹² (BAD12104AB)	Dual Credit Advanced Marketing AB ¹ (MKD34700AB)	Dual Credit Unpaid Practicum in Distribution and Logistics A ¹ (TPD40470A)	Dual Credit Unpaid Practicum in Distribution and Logistics B ¹ (TPD40470B)
		Dual Credit Distribution and Logistics A ² (TPD40301A)		Dual Credit Concepts of Distribution and Logistics Technology AB ² (TPD03800AB)	Dual Credit Business Law AB ³ (BAD11701AB)	Dual Credit Accounting IA ² (FND16612AB)		
ВС	CIS 1305 ¹	SPCH 1321 ¹ Required for AAS	ARTS 1301 Required for AAS	LMGT 1325 ¹	BMGT 1301 ¹	MRKG 1311 ¹	ENG 1301 Need 3 Hours for AAS	ENGL 1302 Not Required needed for 4 th year second semester HS
College		LMGT 1319 ²	LMGT 1323 ¹	IBUS 1301 ²	BMGT 1313 ²	ACCT 2301 ²	MATH 1314 Need 3 Hours for AAS CAN USE STATS! College Algebra	MATH 2412 Need .5 Credit for High School so not needed unless they take MATH 1314
			LMGT 2334 ¹	IBUS 1302 ²	BUSI 2301 ³	ECON 2301 Required for AAS	BMGT 1331 ¹	LMGT 2388 ¹ Requires 16 hours a week with Industry Partner
							BMGT 2331 ¹	
Hr L	Jp to 3	Up to 6	Up to 9	Up to 9	Up to 9	Up to 9	Up to 12	Up to 10

Degree: AAS Logistics and Supply Chain Management - 60 hours

College Level Certification(s): Transportation Management, Level 1, or Warehouse Management, Level 1

Industry Certification(s): MSSC Certified Logistics Technician

^{*}TSI compliance or TSI waiver will determine if the course is taken as a Dual Credit course for TSI placement courses. Students that are not TSI met will take AP courses in-lieu of dual credit course. The COLLEGE DISTRICT and SCHOOL DISTRICT will utilize the crosswalk to collaborate strategic course offerings for students participating in the dual credit program towards college degree completion through the term of the agreement. Career and Technical Education (CTE) program requirements will be provided for CTE course offerings.

Students who complete Distribution and Logistics, Management of Transportation Systems, Concepts of Distribution and Logistics, and Practicum in Distribution and Logistics will have met requirements for the Distribution and Logistics Program of Study for a Business and Industry endorsement.

COURSE DESCRIPTIONS FOR ARCHITECTURE/CONSTRUCTION & LOGISTICS P-TECH

DUAL CREDIT PRINCIPLES OF ARCHITECTURE A (PRINARC DC A) CCC (ARCH 1315) Architectural Computer Graphics	ARD04200A
Course offerings may vary each year due to availability tudents learn the effective use of representational media, computer aided design, and digital media to engage	13004210
ormal, organizational, and environmental principles. Emphasis on the appropriate media to inform two-	Grade level: 9 – 10
imensional and three-dimensional design based upon the conventions of architectural graphic communication.	HS Credit(s): 0.5
ourse is intended to fulfill all or part of the following National Architectural Accrediting Board (NAAB) Student	
erformance Criteria: A.1 Professional Communication Skills and A.4 Architecture Design Skills	
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	College Hour(s): 3
WISD Prerequisite(s): None	Tier I
CC Prerequisite(s): None	
Offered at: Diamond Hill-Jarvis (P-TECH)	
DUAL CREDIT PRINCIPLES OF ARCHITECTURE B (PRINARC DC B)	ARD04200B
CC (ARCH 1311) Introduction to Architecture	
Course offerings may vary each year due to availability	
tudents are introduced to architecture that explores the practices, principles, and wider context of architecture	13004210
nd design. Focuses on the role of architecture in society, culture, and the broader physical context of the built	Grade level: 9 – 10
nvironment. Course is intended to fulfill all or part of the following National Architectural Accrediting Board	HS Credit(s): 0.5
NAAB) Student Performance Criteria: A.8 Cultural Diversity and Social Equity and D.1 Stakeholder Roles in	
rchitecture <u>nstructional Material</u> : Contact the Office of Innovation, Early College Programs Department for related materials	Collogo Hours(s): 2
<u>istructional Material</u> : Contact the Office of Innovation, Early College Programs Department for related materials <u>WISD Prerequisite(s)</u> : Dual Credit Principles of Architecture A	College Hour(s): 3 Tier I
CC Prerequisite(s): ARCH 1315	1101 1
CC PTETEQUISITE(S). ARCH 1313 Offered at: Diamond Hill-Jarvis (P-TECH)	
DUAL CREDIT ARCHITECTURAL DESIGN I A (ARCHDSN 1 DC A)	ARD04602A
CC (ARCH 2312) Architectural Technology	71120100271
Course offerings may vary each year due to availability	
tudents are introduced to materials and methods in the design and construction of buildings. Course will	13004600
nclude a survey of buildings that conserve energy, water, and human resources; sustainable design and	Grade level: 10 – 12
onstruction. The course will illustrate the connection of the previously mentioned topics, when applicable, to	HS Credit: 0.5
ne digital age and the Internet of Things (IoT) which are reshaping our built environment. Course is intended to	
ulfill all or part of the following National Architectural Accrediting Board (NAAB) Student Performance Criteria:	
.7 Building Envelope Systems and Assemblies and B.8 Building Materials and Assemblies.	
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	College Hour(s): 3
WISD Prerequisite(s): Dual Credit Principles of Architecture B, Algebra I, and English I	Tier I
CC Prerequisite(s): ARCH 1311	
Offered at: Diamond Hill-Jarvis (P-TECH)	
DUAL CREDIT ARCHITECTURAL DESIGN I B (ARCHDSN 1 DC B)	ARD04602B
CC (ARCH 1303) Architectural Design I - Residential	
Course offerings may vary each year due to availability tudents will receive an introductory studio providing foundation in the conceptual, perceptual, and manual skills	13004600
ecessary for two-dimensional and three-dimensional design. Architectural drawing procedures and practices for	Grade level: 10 – 12
ecessary for two-dimensional and three-dimensional design. Architectural drawing procedures and practices for esidential and/or light frame construction. Construction practices and techniques with emphasis on residential	HS Credit: 0.5
onstruction methods. Office procedures for coordinating CAD drawings in the office. Course is intended to fulfill	113 Cledit. 0.3
Il or part of the following National Architectural Accrediting Board (NAAB) Student Performance Criteria: A.1	
rofessional Communication Skills. A.2 Design Thinking Skills, A.4 Architectural Design Skills, and A.5 Ordering	
ystems.	
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	College Hour(s): 3
WISD Prerequisite(s): Dual Credit Architectural Design IA, Algebra I, and English	Tier I
CC Prerequisite(s): ARCH 2312	
Offered at: Diamond Hill-Jarvis (P-TECH)	
DUAL CREDIT ARCHITECTURAL DESIGN II/d A (ARCHDSN 2 DC A)	ARD04702A
CC (ARCH 1304) Architectural Design II - Commercial	
Course offerings may vary each year due to availability	
	13004700
tudents will engage in creative problem solving and presentation of principles, concepts and ideas as applied	Grade level: 10 - 12
tudents will engage in creative problem solving and presentation of principles, concepts and ideas as applied o introductory architectural projects. Architectural drafting procedures, practices and symbols including the	Grade level: 10 - 12 HS Credit(s): 1
tudents will engage in creative problem solving and presentation of principles, concepts and ideas as applied o introductory architectural projects. Architectural drafting procedures, practices and symbols including the reparation of detailed working drawings for commercial building, with emphasis on commercial construction	Grade level: 10 - 12 HS Credit(s): 1
tudents will engage in creative problem solving and presentation of principles, concepts and ideas as applied o introductory architectural projects. Architectural drafting procedures, practices and symbols including the	

TCC (ARCH 1301) Architectural History I Course offerings may vary each year due to availability Students will begin with part one of a survey of the history of world architecture from pre-history to the present. This course focuses on the period from pre-history up to at least the 14th Century, Course is intended to fulfill all or part of the following National Architectural Accrediting Board (NAAB) Student Performance Criteria: A.7 History and Global Culture Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials for Corp. Ceregouisite(s): None Officered at: Diamond Hill-Javais (P-TECH) DUAL CREDIT PRINCIPLES OF CONSTRUCTION FOR ARCHITECTURE A (PRINCONA A DC) TCC (ARCE 1342) Codes, Specifications, and Contract "Course offerings may vary each year due to availability study ordinances, codes, and legal documents as they relate to specifications and drawing. Discussion of owner-architect-contractor responsibilities, duties, and legal relationships. Preparation of drawing for mechanical, electrical, and plumbing (MEP) systems with emphasis on applicable building and energy codes, profered at: Diamond Hill-Javais (P-TECH) DIPUAL CREDIT PRINCIPLES OF CONSTRUCTION FOR ARCHITECTURE B (PRINCONA B DC) (ARCE 2352) Mechanical, Electrical, and Plumbing (MEP) Systems Course offerings may vary each year due to availability Students will study ordinances, codes, and legal documents as they relate to specifications and drawing. To course offerings may vary each year due to availability or mechanical, electrical, and plumbing (MEP) systems Course offerings may vary each year due to availability or mechanical, electrical, and human resources; sustainable design and construction. The course will illustrate the connection of the previously mentioned topics, when applicable, to the digital age and the Internet of Things lof) which are reshaping our built environment. Instructional Material: Contact the Office of Innovation, Early College Programs Department for	
ARD047 TCC (ARCH 1301) Architectural History I Course offerings may vary each year due to availability Students will begin with part one of a survey of the history of world architecture from pre-history to the present. This course focuses on the period from pre-history up to at least the 14th Century. Course is intended to fulfill all or part of the following National Architectural Accrediting Board (NAAB) Student Performance Criteria: A.7 History and Global Culture instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials of College History and College Programs of College History and College Programs of College Programs Department for related materials of College History and College Programs of College Programs Department for related materials of College History and College Programs of College Programs Department for related materials of College History and College Programs of College Programs Department for related materials of College History and College Programs Department for related materials of College History and College Programs Department for related materials of College History and College Programs Department for related materials of College History of College Programs Department for related materials of College History of College Programs Department for related materials of College History of College Programs Department for related materials of College History of College Programs Department for related materials of College History of College Programs Department for related materials of College History of College Programs Department for related materials of College History of College Programs Department for related materials	
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Offered at: Diamond Hill-Jarvis (P-TECH) DUAL CREDIT PRINCIPLES OF CONSTRUCTION MANAGEMENT A (PRINCONM A DC) (CNBT 1110) Basic Construction Safety *Course offerings may vary each year due to availability Students will learn about basic job site construction safety in residential, commercial, and industrial construction. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Grade levels of Prerequisite(s): None TCC Prerequisite(s): None Offered at: Diamond Hill-Jarvis (P-TECH) Tier I	Tier I
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*Course offerings may vary each year due to availability Students will learn about basic job site construction safety in residential, commercial, and industrial construction. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Grade levents of the College History of the College	
*Course offerings may vary each year due to availability Students will learn about basic job site construction safety in residential, commercial, and industrial construction. 13004220 Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials FWISD Prerequisite(s): None College H Offered at: Diamond Hill-Jarvis (P-TECH) Tier I	ON MANAGEMENT A (PRINCONM A DC) ARD04203A
Students will learn about basic job site construction safety in residential, commercial, and industrial construction. 13004220 Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials FWISD Prerequisite(s): None College H Offered at: Diamond Hill-Jarvis (P-TECH) Tier I	
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials FWISD Prerequisite(s): None College H Offered at: Diamond Hill-Jarvis (P-TECH) Grade levents HS Credit College H Tier I	
FWISD Prerequisite(s):NoneHS CreditTCC Prerequisite(s):NoneCollege HOffered at:Diamond Hill-Jarvis (P-TECH)Tier I	
TCC Prerequisite(s): None College H Offered at: Diamond Hill-Jarvis (P-TECH) Tier I	
Offered at: Diamond Hill-Jarvis (P-TECH)	HS Credit(s): 0.5
	College Hour(s): 1.0
· · · · · · · · · · · · · · · · · · ·	
(CNBT 1300) Residential and Light Commercial Blueprint Reading	•
*Course offerings may vary each year due to availability	
j j	÷
	Grade level: 9-10
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· · · · · · · · · · · · · · · · · · ·	College Hour(s): 3.0
Offered at: Diamond Hill-Jarvis (P-TECH)	-
	Tier I
DITAL CDEDIT DDAEESSIANAL CAMMITNICATIONS (DDAECAMM T)	Tier l
· · ·	Tier I AVD09902T
(SPCH 1321) Business and Professional Communication	Tier I TIONS (PROFCOMM T) AVD09902T munication
(SPCH 1321) Business and Professional Communication *Course offerings may vary each year due to availability	Tier I TIONS (PROFCOMM T) munication tty
(SPCH 1321) Business and Professional Communication *Course offerings may vary each year due to availability Students will study application of communication within the business and professional context. 13009900	TIONS (PROFCOMM T) Munication Sty Chin the business and professional context. Tier I AVD09902T AVD09902T 13009900

Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	College Hour(s): 3.0
FWISD Prerequisite(s): None	Tier I
ICC Prerequisite(s): TSI Reading and Math	
Offered at: Diamond Hill-Jarvis (P-TECH)	
DUAL CREDIT CONSTRUCTION TECHNOLOGY II I/d A (CONSTECH2 A DC)	ARD05202 A
(CNBT 1316) Construction Technology I	
Course offerings may vary each year due to availability	13005200
itudents will learn about site preparation, form work, safety, tools, and equipment. orm work, safety, tools, and equipment.	Grade level: 10-12
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	HS Credit(s): 1.0
FWISD Prerequisite(s): Dual Credit Principles of Construction Management B	College Hour(s): 3.0
TCC Prerequisite(s): CNBT 1300	Tier I
Offered at: Diamond Hill-Jarvis (P-TECH)	
DUAL CREDIT CONSTRUCTION TECHNOLOGY II I/d B (CONSTECH2 B DC)	ARD05202 B
(CNBT 1342) Building Codes and Inspections	
*Course offerings may vary each year due to availability	
Students will understand building codes and standards applicable to building construction and inspection	13005200
processes. Study of ordinances, codes, and legal documents as they relate to specifications, drawings, and	Grade level: 10-12
building construction. An overview of legal contracts in the construction industry.	
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	HS Credit(s): 2.0
FWISD Prerequisite(s): Dual Credit Principles of Construction Technology II A	College Hour(s): 6.0
TCC Prerequisite(s): CNBT 1300	Tier I
Offered at: Diamond Hill-Jarvis (P-TECH)	
DUAL CREDIT CONSTRUCTION TECHNOLOGY FOR MANAGEMENT I/d A (CONSTECHM DC A)	ARD00513A
(CNBT 1302) Mechanical, Electrical and Plumbing Systems in Construction I	
*Course offerings may vary each year due to availability	
Students will learn about the basic mechanical, electrical, and plumbing components in construction and their	13005100
relationship to the residential and light commercial buildings.	Grade level: 10
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	HS Credit(s): 1.0
FWISD Prerequisite(s): Dual Credit Principles of Construction Management B	College Hour(s): 3.0
TCC Prerequisite(s): CNBT 1300	Tier I
Offered at: Diamond Hill-Jarvis (P-TECH)	
DUAL CREDIT CONSTRUCTION TECHNOLOGY FOR MANAGEMENT I/d B (CONSTECHM DC B)	ARD00513B
(CNBT 1311) Construction Methods and Material I	
*Course offerings may vary each year due to availability	
Students will receive an introduction to construction materials and methods and their applications.	13005100
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	Grade level: 10
FWISD Prerequisite(s): Dual Credit Principles of Construction Management B	HS Credit(s): 1.0
TCC Prerequisite(s): CNBT 1300	College Hour(s): 3.0
Offered at: Diamond Hill-Jarvis (P-TECH)	Tier I
DUAL CREDIT COMPUTER AIDED DRAFTING FOR ARCHITECTURE I/d A (CADAR A DC)	ARD00429A
TCC (ARCH 1307) Architectural Graphics I	
*Course offerings may vary each year due to availability	
Students are introduced to basic drawing methods and tools. Exploration of techniques available for the design process	N1300429
with emphasis on two-dimensional and three-dimensional composition. Presentation of advance architectural topics	Grade level: 11-12
with application in computer-aided environment utilizing three-dimensional objects or spaces.	HS Credit(s): 0.5
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	College Hour(s): 3
FWISD Prerequisite(s): None	Tier I
TCC Prerequisite(s): ARCE 2352	
Offered at: Diamond Hill-Jarvis (P-TECH)	
DUAL CREDIT COMPUTER AIDED DRAFTING FOR ARCHITECTURE I/d B (CADAR B DC)	ARD00429B
TCC (ARCH 1308) Architectural Graphics II	
*Course offerings may vary each year due to availability	
This is a continuation of the study, methodology, and production of architectural drawings. Exploration of	N1300429
techniques available for the design process with emphasis on three-dimensional composition both analog and	Grade level: 11-12
digital. These techniques will be implemented through the use and instruction of Building Information	HS Credit(s): 0.5
Management System software. Course is intended to fulfill all or part of the following National Architectural	
Accrediting Board (NAAB) Student Performance Criteria: A.1 Professional Communication Skills and A.5 Ordering	
Systems	
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	College Hour(s): 3
	College Hour(s): 3 Tier I

Offered at: Diamond Hill-Jarvis (P-TECH)

DUAL CREDIT COMPUTER AIDED DRAFTING FOR CONSTRUCTION MANAGEMENT I/d A	ARD00439A
CADARC AB DC)	
TCC (ARCH 1315) Architectural Computer Graphics Course offerings may vary each year due to availability	
n this course, students will learn the effective use of representational media, computer aided design, and digital	N1300429
nedia to engage formal, organizational, and environmental principles. Emphasis on the appropriate media to	Grade level: 11-12
nform two-dimensional and three-dimensional design based upon the conventions of architectural graphic	HS Credit(s): 0.5
ommunication. Course is intended to fulfill all or part of the following National Architectural Accrediting Board	115 Credit(3). 0.5
IAAB) Student Performance Criteria: A.1 Professional Communication Skills and A.4 Architecture Design Skills.	
istructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	College Hour(s): 3
<u>NISD Prerequisite(s)</u> : None	Tier I
CC Prerequisite(s): ARCH 1307	
Offered at: Diamond Hill-Jarvis (P-TECH)	
DUAL CREDIT CONSTRUCTION MANAGEMENT FOR ARCHITECTURE I/d A	ARD04903A
CONSMGTAR1 DC A)	
CC (ARCH 2301) Architectural Freehand Drawing I	
Course offerings may vary each year due to availability	
tudents will develop freehand drawing skills in architecture. Methods and skills, including emphasis on	13004900
principles of light, shade, scale, proportion, line, and tonal quality for exploring and developing conceptual ideas	Grade level: 11-12
nd for clear graphic presentations.	HS Credit(s): 1
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	College Hour(s): 3
WISD Prerequisite(s): Dual Credit Architectural Design II/d B	Tier I
CC Prerequisite(s): ARCH 1301 and ARCH 1308	
Offered at: Diamond Hill-Jarvis (P-TECH)	
DUAL CREDIT CONSTRUCTION MANAGEMENT FOR ARCHITECTURE I/d B	ARD04903B
CONSMGTAR1 DC B)	
CC (SRVY 1301) Introduction to Surveying	
Course offerings may vary each year due to availability	
tudents will receive an overview of the surveying profession. The history of surveying and its impact on the	13004900
orld. Review of the mathematics used in surveying. Introduction to basic surveying equipment with emphasis	Grade level: 11-12
n measurements. Instruction on surveying procedures and the limitation of errors. Calculation to determine	HS Credit(s): 1
recision and error of closure. Course is intended to fulfill all or part of the following National Architectural	
ccrediting Board (NAAB) Student Performance Criteria: A.1 Professional Communication Skills and A.4	
rchitectural Design Skills.	
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	College Hour(s): 3
WISD Prerequisite(s): Dual Credit Construction Management for Architecture I/D A	Tier I
CC Prerequisite(s): ARCH 2301	
Offered at: Diamond Hill-Jarvis (P-TECH)	APD04004A
Offered at: Diamond Hill-Jarvis (P-TECH) DUAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d A	ARD04904A
Offered at: Diamond Hill-Jarvis (P-TECH) DUAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d A CONSMGTCN 1 DC A)	ARD04904A
Offered at: Diamond Hill-Jarvis (P-TECH) DUAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d A CONSMGTCN 1 DC A) TCC (SRVY 1301) Introduction to Surveying	ARD04904A
Offered at: Diamond Hill-Jarvis (P-TECH) DUAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d A CONSMGTCN 1 DC A) ICC (SRVY 1301) Introduction to Surveying Course offerings may vary each year due to availability	
Offered at: Diamond Hill-Jarvis (P-TECH) DUAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d A CONSMGTCN 1 DC A) CC (SRVY 1301) Introduction to Surveying Course offerings may vary each year due to availability tudents will obtain and overview of the surveying profession, such as basic surveying equipment with emphasis	13004900
Offered at: Diamond Hill-Jarvis (P-TECH) DUAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d A CONSMIGTON 1 DC A) TCC (SRVY 1301) Introduction to Surveying Course offerings may vary each year due to availability tudents will obtain and overview of the surveying profession, such as basic surveying equipment with emphasis on measurements, surveying procedures and the limitation of errors, and calculations to determine precision and	13004900 Grade level: 11-12
Offered at: Diamond Hill-Jarvis (P-TECH) DUAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d A CONSMIGTON 1 DC A) CCC (SRVY 1301) Introduction to Surveying Course offerings may vary each year due to availability tudents will obtain and overview of the surveying profession, such as basic surveying equipment with emphasis in measurements, surveying procedures and the limitation of errors, and calculations to determine precision and irror of closure.	13004900 Grade level: 11-12 HS Credit(s): 1
IVAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d A CONSMGTCN 1 DC A) CC (SRVY 1301) Introduction to Surveying Course offerings may vary each year due to availability Eudents will obtain and overview of the surveying profession, such as basic surveying equipment with emphasis in measurements, surveying procedures and the limitation of errors, and calculations to determine precision and error of closure. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	13004900 Grade level: 11-12
OUAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d A CONSMGTCN 1 DC A) CC (SRVY 1301) Introduction to Surveying Course offerings may vary each year due to availability tudents will obtain and overview of the surveying profession, such as basic surveying equipment with emphasis in measurements, surveying procedures and the limitation of errors, and calculations to determine precision and error of closure. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials WISD Prerequisite(s): Dual Credit Construction Technology II/d B	13004900 Grade level: 11-12 HS Credit(s): 1 College Hour(s): 3
OUAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d A CONSMGTCN 1 DC A) CC (SRVY 1301) Introduction to Surveying Course offerings may vary each year due to availability tudents will obtain and overview of the surveying profession, such as basic surveying equipment with emphasis in measurements, surveying procedures and the limitation of errors, and calculations to determine precision and error of closure. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials WISD Prerequisite(s): Dual Credit Construction Technology II/d B CC Prerequisite(s): CNBT 1344	13004900 Grade level: 11-12 HS Credit(s): 1 College Hour(s): 3
OUAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d A CONSMGTCN 1 DC A) CC (SRVY 1301) Introduction to Surveying Course offerings may vary each year due to availability tudents will obtain and overview of the surveying profession, such as basic surveying equipment with emphasis in measurements, surveying procedures and the limitation of errors, and calculations to determine precision and error of closure. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials WISD Prerequisite(s): Dual Credit Construction Technology II/d B CC Prerequisite(s): CNBT 1344 Iffered at: Diamond Hill-Jarvis (P-TECH)	13004900 Grade level: 11-12 HS Credit(s): 1 College Hour(s): 3
OUAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d A CONSMGTCN 1 DC A) CC (SRVY 1301) Introduction to Surveying Course offerings may vary each year due to availability tudents will obtain and overview of the surveying profession, such as basic surveying equipment with emphasis in measurements, surveying procedures and the limitation of errors, and calculations to determine precision and error of closure. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials WISD Prerequisite(s): Dual Credit Construction Technology II/d B CC Prerequisite(s): CNBT 1344 Offered at: Diamond Hill-Jarvis (P-TECH) DUAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d B	13004900 Grade level: 11-12 HS Credit(s): 1 College Hour(s): 3 Tier I
OUAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d A CONSMGTCN 1 DC A) CC (SRVY 1301) Introduction to Surveying Course offerings may vary each year due to availability tudents will obtain and overview of the surveying profession, such as basic surveying equipment with emphasis in measurements, surveying procedures and the limitation of errors, and calculations to determine precision and error of closure. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials WISD Prerequisite(s): Dual Credit Construction Technology II/d B CC Prerequisite(s): CNBT 1344 Infered at: Diamond Hill-Jarvis (P-TECH) UAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d B CONSMGTCN 1 DC B)	13004900 Grade level: 11-12 HS Credit(s): 1 College Hour(s): 3 Tier I
OUAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d A CONSMGTCN 1 DC A) CC (SRVY 1301) Introduction to Surveying Course offerings may vary each year due to availability tudents will obtain and overview of the surveying profession, such as basic surveying equipment with emphasis in measurements, surveying procedures and the limitation of errors, and calculations to determine precision and error of closure. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials WISD Prerequisite(s): Dual Credit Construction Technology II/d B CC Prerequisite(s): CNBT 1344 Offered at: Diamond Hill-Jarvis (P-TECH) DUAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d B CONSMGTCN 1 DC B) CC (CNBT 1346) Construction Estimating I	13004900 Grade level: 11-12 HS Credit(s): 1 College Hour(s): 3 Tier I
OUAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d A CONSMGTCN 1 DC A) CC (SRVY 1301) Introduction to Surveying Course offerings may vary each year due to availability tudents will obtain and overview of the surveying profession, such as basic surveying equipment with emphasis in measurements, surveying procedures and the limitation of errors, and calculations to determine precision and error of closure. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials WISD Prerequisite(s): Dual Credit Construction Technology II/d B CC Prerequisite(s): CNBT 1344 Infered at: Diamond Hill-Jarvis (P-TECH) DUAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d B CONSMGTCN 1 DC B) CC (CNBT 1346) Construction Estimating I Course offerings may vary each year due to availability	13004900 Grade level: 11-12 HS Credit(s): 1 College Hour(s): 3 Tier I
WAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d A CONSMGTCN 1 DC A) CC (SRVY 1301) Introduction to Surveying Course offerings may vary each year due to availability Endents will obtain and overview of the surveying profession, such as basic surveying equipment with emphasis in measurements, surveying procedures and the limitation of errors, and calculations to determine precision and error of closure. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials MISD Prerequisite(s): Dual Credit Construction Technology II/d B CC Prerequisite(s): CNBT 1344 Infered at: Diamond Hill-Jarvis (P-TECH) UAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d B CONSMGTCN 1 DC B) CC (CNBT 1346) Construction Estimating I Course offerings may vary each year due to availability Endents will explore fundamentals of estimating materials, equipment, and labor costs in construction.	13004900 Grade level: 11-12 HS Credit(s): 1 College Hour(s): 3 Tier I
OUAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d A CONSMGTCN 1 DC A) CC (SRVY 1301) Introduction to Surveying Course offerings may vary each year due to availability tudents will obtain and overview of the surveying profession, such as basic surveying equipment with emphasis in measurements, surveying procedures and the limitation of errors, and calculations to determine precision and error of closure. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials WISD Prerequisite(s): Dual Credit Construction Technology II/d B CC Prerequisite(s): CNBT 1344 Infered at: Diamond Hill-Jarvis (P-TECH) PUAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d B CONSMGTCN 1 DC B) CC (CNBT 1346) Construction Estimating I	13004900 Grade level: 11-12 HS Credit(s): 1 College Hour(s): 3 Tier I ARD04904B
UAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d A CONSMGTCN 1 DC A) CC (SRVY 1301) Introduction to Surveying Course offerings may vary each year due to availability Udents will obtain and overview of the surveying profession, such as basic surveying equipment with emphasis a measurements, surveying procedures and the limitation of errors, and calculations to determine precision and ror of closure. Structional Material: Contact the Office of Innovation, Early College Programs Department for related materials WISD Prerequisite(s): Dual Credit Construction Technology II/d B CC Prerequisite(s): CNBT 1344 Iffered at: Diamond Hill-Jarvis (P-TECH) UAL CREDIT CONSTRUCTION MANAGEMENT FOR CONSTRUCTION I/d B CONSMGTCN 1 DC B) CC (CNBT 1346) Construction Estimating I Course offerings may vary each year due to availability Udents will explore fundamentals of estimating materials, equipment, and labor costs in construction. Structional Material: Contact the Office of Innovation, Early College Programs Department for related materials	13004900 Grade level: 11-12 HS Credit(s): 1 College Hour(s): 3 Tier I ARD04904B

DUAL CREDIT BUSINESS MANAGEMENT FOR CONSTRUCTION I/d A (BUSMGTC DC A) TCC (CNBT 2342) Construction Management I	BAD12103A
*Course offerings may vary each year due to availability	
Students will explore the construction industry and management skills on the job site. Topics include written and	13012100
oral communications, leadership and motivation, problem solving, and decision making. The course also deals	Grade level: 11-12
with the concepts and principles in estimating, planning, scheduling, controlling and construction ethics.	HS Credit(s): 1
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	College Hour(s): 3
FWISD Prerequisite(s): Dual Credit Construction Management for Construction II/d B	Tier I
ICC Prerequisite(s): SRVY 1301	
Offered at: Diamond Hill-Jarvis (P-TECH)	
DUAL CREDIT BUSINESS MANAGEMENT FOR CONSTRUCTION I/d B (BUSMGTC DC B)	BAD12103B
FCC (BMGT 1327) Principles of Management	
Course offerings may vary each year due to availability	
Students will explore the construction industry and management skills on the job site. Topics include written and	13012100
oral communications, leadership and motivation, problem solving, and decision making. The course also deals	Grade level: 11-12
with the concepts and principles in estimating, planning, scheduling, controlling and construction ethics.	HS Credit(s): 1
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	College Hour(s): 3
FWISD Prerequisite(s): Dual Credit Business Management for Construction I/d A	Tier I
TCC Prerequisite(s): CNBT 2342	
Offered at: Diamond Hill-Jarvis (P-TECH)	
DUAL CREDIT UNPAID PRACTICUM IN ARCHITECTURAL DESIGN/d I A (PRACADSN A DC)	ARD04802A
TCC (ARCH 1302) Architectural History II	
Course offerings may vary each year due to availability	
Students engage in part two of a survey of the history of world architecture from pre-history to the present. This	13004800
course focuses on the period of neo-classicism up to the modern era. Course is intended to fulfill all or part of the	Grade level: 12
following National Architectural Accrediting Board (NAAB) Student Performance Criteria: A.7 History and Global	HS Credit(s): 1
Culture.	
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	College Hour(s): 3
-WISD Prerequisite(s): Architectural Design II	Tier I
TCC Prerequisite(s): ARCH 2301	
Course taught by a TCC-approved adjunct instructor	
Offered at: Diamond Hill-Jarvis (P-TECH)	
DUAL CREDIT UNPAID PRACTICUM IN ARCHITECTURAL DESIGN/d I B (PRACADSN B DC)	ARD04802B
TCC (ARCH 2302) Architecture Freehand Drawing II	
*Course offerings may vary each year due to availability	
<u> </u>	13004800
This course develops advanced freehand design drawing skills in architecture. Emphasis is on using freehand techniques in visual thinking and analysis. Development of conceptual ideas for clear graphic presentations.	13004800 Grade level: 12
This course develops advanced freehand design drawing skills in architecture. Emphasis is on using freehand echniques in visual thinking and analysis. Development of conceptual ideas for clear graphic presentations.	
This course develops advanced freehand design drawing skills in architecture. Emphasis is on using freehand	Grade level: 12
This course develops advanced freehand design drawing skills in architecture. Emphasis is on using freehand techniques in visual thinking and analysis. Development of conceptual ideas for clear graphic presentations. Course is intended to fulfill all or part of the following National Architectural Accrediting Board (NAAB) Student	Grade level: 12
This course develops advanced freehand design drawing skills in architecture. Emphasis is on using freehand techniques in visual thinking and analysis. Development of conceptual ideas for clear graphic presentations. Course is intended to fulfill all or part of the following National Architectural Accrediting Board (NAAB) Student Performance Criteria: A.1 Professional Communication Skills and A.4 Architecture Design Skills	Grade level: 12 HS Credit(s): 1
This course develops advanced freehand design drawing skills in architecture. Emphasis is on using freehand techniques in visual thinking and analysis. Development of conceptual ideas for clear graphic presentations. Course is intended to fulfill all or part of the following National Architectural Accrediting Board (NAAB) Student Performance Criteria: A.1 Professional Communication Skills and A.4 Architecture Design Skills nstructional Material : Contact the Office of Innovation, Early College Programs Department for related materials.	Grade level: 12 HS Credit(s): 1 College Hour(s): 3
This course develops advanced freehand design drawing skills in architecture. Emphasis is on using freehand techniques in visual thinking and analysis. Development of conceptual ideas for clear graphic presentations. Course is intended to fulfill all or part of the following National Architectural Accrediting Board (NAAB) Student Performance Criteria: A.1 Professional Communication Skills and A.4 Architecture Design Skills nstructional Material : Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None	Grade level: 12 HS Credit(s): 1 College Hour(s): 3
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studied. This course is not intended to count toward a student's major field of study in business or computer science.	
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None Corequisites: None TCC Prerequisite(s): None	College Hour(s): 3 Tier I
Course taught by a TCC-approved adjunct instructor Offered only at: Diamond-Hills Jarvis HS (P-TECH), Eastern Hills (P-TECH), South Hills (P-TECH), and TCC South Collegiate HS (P-TECH)	
DUAL CREDIT UNPAID PRACTICUM IN CONSTRUCTION MANAGEMENT I/d A	ARD06202A
(PRACCONS A DC)	
TCC Course: (CNBT 2337) Construction Estimating II *Course offerings may vary each year due to availability	
Students will explore advanced estimating concepts using computer software for construction and crafts and	13006200
learn how advanced construction scheduling utilizing computer scheduling software to perform various scheduling procedures.	Grade level: 11 - 12 HS Credit(s): 1
<u>Instructional Material</u> : Contact the Office of Innovation, Early College Programs Department for related materials. <u>FWISD Prerequisite(s)</u> : Dual Credit Principles of Information Technology AB	College Hour(s): 3 Tier I
<u>Corequisites</u> : None <u>TCC Prerequisite(s)</u> : CNBT 1346	
Course taught by a TCC-approved adjunct instructor	
Offered only at: Diamond-Hills Jarvis HS (P-TECH)	
DUAL CREDIT UNPAID PRACTICUM IN CONSTRUCTION MANAGEMENT I/d B	ARD06202B
(PRACCONS B DC)	
TCC Course: (CNBT 2266) Practicum in Construction/Engineering Technician *Course offerings may vary each year due to availability	
Students will apply practical, general workplace training supported by an individualized learning plan	13006200
developed by the employer, College, and student. This is a capstone course.	Grade level: 11 - 12
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	HS Credit(s): 1
<u>FWISD Prerequisite(s)</u> : Dual Practicum in Construction Management I/d A <u>Corequisites</u> : None	College Hour(s): 3 Tier I
Corequisites: None TCC Prerequisite(s): CNBT 2337 and CNBT 2335	ner i
Course taught by a TCC-approved adjunct instructor	
Offered only at: Diamond-Hills Jarvis HS (P-TECH)	
DUAL CREDIT BUSINESS INFORMATION MANAGEMENT I AB (BUSIM1 AB DC)	BAD11412AB
TCC COURSE: (BCIS 1305) Business Computer Applications	
*Courses may change due to availability Students will study computer terminology, hardware, and software related to the business environment. The	13011400
focus of this course is on business productivity software applications and professional behavior in computing, including word processing (as needed), spreadsheets databases, presentation graphics, and business-oriented	Grade level: 9 - 12 HS Credit(s): 1
utilization of the Internet. <u>Instructional Material</u> : TCC Course: Business Computer Applications (BCIS 1305)	College Hour(s): 3
<u>FWISD Prerequisite(s)</u> : None	Tier I
TCC Prerequisite(s): TSI Offered only at Diamond Wills Issue US (B. TSCI)	
Offered only at: Diamond-Hills Jarvis HS (P-TECH) DIAL CREDIT DISTRIBUTION AND LOGISITICS A (DISTLES A DC)	TPD40301A
DUAL CREDIT DISTRIBUTION AND LOGISITICS A (DISTLGS A DC) TCC COURSE: (LMGT 1319) Introduction to Business Logistics	1 PD4030 IA
*Courses may change due to availability	
Emphasis on physical distribution and total supply chain management. Includes warehouse operations	13040300
management, hardware and software operations, bar codes, organizational effectiveness, just-in-time manufacturing and continuous replenishment, and third party.	Grade level: 9 - 12 HS Credit(s): 0.5
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	College Hour(s): 3
FWISD Prerequisite(s): None TCC Prerequisite(s): TSI	Tier I
Offered only at: Diamond-Hills Jarvis HS (P-TECH)	
DUAL CREDIT DISTRIBUTION AND LOGISITICS B (DISTLGS B DC)	TPD40301B
TCC COURSE: (LMGT 1325) Warehouse and Distribution System Management *Courses may change due to availability	
This course will focus on physical distribution and total supply chain management. Includes warehouse	13040300
operations management, hardware and software operations, bar codes, organizational	Grade level: 9 - 12
effectiveness, just-in-time manufacturing and continuous replenishment, and third party.	HS Credit(s): 0.5

<u>Instructional Material</u> : Contact the Office of Innovation, Early College Programs Department for related materials.	College Hour(s): 3
FWISD Prerequisite(s): Dual Credit Distribution and Logistics A	Tier I
TCC Prerequisite(s): TSI and LMGT 1319	
Offered only at: Diamond-Hills Jarvis HS (P-TECH)	
DUAL CREDIT MANAGEMENT OF TRANSPORTATION SYSTEMS A (MNGTRSY A DC)	TPD40200A
TCC COURSE: (LMGT 1323) Domestic and International Transportation Management	
*Courses may change due to availability	
This course will focus on physical distribution and total supply chain management. Includes warehouse	13040200
operations management, hardware and software operations, bar codes, organizational	Grade level: 9 - 12
effectiveness, just-in-time manufacturing and continuous replenishment, and third party. <u>nstructional Material</u> : Contact the Office of Innovation, Early College Programs Department for related materials.	HS Credit(s): 1 0.5
<u>Instructional Material</u> . Contact the Office of Inflovation, Early College Programs Department for related materials. FWISD Prerequisite(s): Dual Credit Distribution and Logistics A	College Hour(s): 3.0 Tier I
CC Prerequisite(s): TSI and LMGT 1319	i iei i
Offered only at: Diamond-Hills Jarvis HS (P-TECH)	
DUAL CREDIT MANAGEMENT OF TRANSPORTATION SYSTEMS B (MNGTRSY B DC)	TPD40200B
TCC COURSE: (LMGT 2334) Principles of Traffic Mgt	
Courses may change due to availability	
This course will focus on the role and functions of a transportation traffic manager within a	13040200
ommercial or public enterprise.	Grade level: 9 - 12
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	HS Credit(s): 0.5
FWISD Prerequisite(s): Dual Credit Distribution and Logistics A	College Hour(s): 3
<u>ICC Prerequisite(s)</u> : TSI and LMGT 1319 Dffered only at: Diamond-Hills Jarvis HS (P-TECH)	Tier I
DUAL CREDIT CONCEPTS OF DISTRIBUTION AND LOGISTICS TECHNOLOGY A (DISTLOG A DC)	TPD03800A
FCC COURSE: (IBUS 1301) Principles of Exports	11 D03000A
Courses may change due to availability	
This course will focus on export management processes and procedures. Export topics include governmental	N1303800
controls and compliance, licensing of products, documentation, commercial invoices, and transportation.	
Emphasizes human and public relations, management of personnel, finance, and accounting procedures.	
<u>nstructional Material</u> : Contact the Office of Innovation, Early College Programs Department for related materials.	Grade level: 10 - 12
<u>WISD Prerequisite(s)</u> : Dual Credit Distribution and Logistics A	HS Credit(s): 0.5
CC Prerequisite(s): TSI and LMGT 1325	College Hour(s): 3.0
Offered only at: Diamond-Hills Jarvis HS (P-TECH)	Tier I
DUAL CREDIT CONCEPTS OF DISTRIBUTION AND LOGISTICS TECHNOLOGY B (DISTLOG B DC)	TPD03800B
TCC COURSE: (IBUS 1302) Principles of Imports	
Courses may change due to availability	N1202000
This course will focus on import management processes and procedures. Import topics include the preparation	N1303800
and understanding of import documents such as customs invoices, packing lists, and commercial invoices. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	Grade level: 10 - 12
<u>"WISD Prerequisite(s)</u> : Dual Credit Distribution and Logistics A	HS Credit(s): 0.5
CC Prerequisite(s): TSI and LMGT 1325	College Hour(s): 3
Offered only at: Diamond-Hills Jarvis HS (P-TECH)	Tier I
DUAL CREDIT BUSINESS LAW (BUSLAW AB DC)	BAD11701AB
CC COURSE: BUSINESS LAW (BUS 2301)	
Course offerings may vary each year due to availability	
his course provides the student with foundational information about the U.S. legal system and dispute	13011700
esolution, and their impact on business. The major content areas will include general principles of law, the	Grade level: 10 - 12
	HS Credit(s): 1
and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context.	
and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. <u>nstructional Material</u> : Contact Career and Technical Education Department for related materials	College Hour(s): 3
nnd ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. <u>nstructional Material</u> : Contact Career and Technical Education Department for related materials <u>Prerequisite(s)</u> : None	College Hour(s): 3
nd ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. <u>nstructional Material</u> : Contact Career and Technical Education Department for related materials <u>rerequisite(s)</u> : None <u>Offered only at: TCC South Collegiate HS (P-TECH) and Diamond-Hills Jarvis HS (P-TECH)</u>	Tier I
and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Perequisite(s): None Offered only at: TCC South Collegiate HS (P-TECH) and Diamond-Hills Jarvis HS (P-TECH) DUAL CREDIT ADVANCED MARKETING AB	~
and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-TECH) and Diamond-Hills Jarvis HS (P-TECH) DUAL CREDIT ADVANCED MARKETING AB ICC COURSE: PRINCIPLES OF MARKETING (MRKG 1311)	Tier I
and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-TECH) and Diamond-Hills Jarvis HS (P-TECH) DUAL CREDIT ADVANCED MARKETING AB ICC COURSE: PRINCIPLES OF MARKETING (MRKG 1311) Course offerings may vary each year due to availability	Tier I MKD34700AB
and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-TECH) and Diamond-Hills Jarvis HS (P-TECH) DUAL CREDIT ADVANCED MARKETING AB TCC COURSE: PRINCIPLES OF MARKETING (MRKG 1311) In Course offerings may vary each year due to availability In this course, students will gain an introduction to the marketing mix functions and processes. The course	MKD34700AB 13034700
and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-TECH) and Diamond-Hills Jarvis HS (P-TECH) DUAL CREDIT ADVANCED MARKETING AB TCC COURSE: PRINCIPLES OF MARKETING (MRKG 1311) In this course, students will gain an introduction to the marketing mix functions and processes. The course opics include: identification of consumer and organizational needs and explanation of environmental issues.	Tier I MKD34700AB 13034700 Grade level: 11 - 12
and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-TECH) and Diamond-Hills Jarvis HS (P-TECH) DUAL CREDIT ADVANCED MARKETING AB TCC COURSE: PRINCIPLES OF MARKETING (MRKG 1311) *Course offerings may vary each year due to availability In this course, students will gain an introduction to the marketing mix functions and processes. The course opics include: identification of consumer and organizational needs and explanation of environmental issues. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related	Tier I MKD34700AB 13034700 Grade level: 11 - 12 HS Credit(s): 1
relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Perequisite(s): None Offered only at: TCC South Collegiate HS (P-TECH) and Diamond-Hills Jarvis HS (P-TECH) DUAL CREDIT ADVANCED MARKETING AB ICC COURSE: PRINCIPLES OF MARKETING (MRKG 1311) Course offerings may vary each year due to availability In this course, students will gain an introduction to the marketing mix functions and processes. The course opics include: identification of consumer and organizational needs and explanation of environmental issues. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Pererequisite(s): Dual Credit Business Management	Tier I MKD34700AB 13034700 Grade level: 11 - 12
and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-TECH) and Diamond-Hills Jarvis HS (P-TECH) DUAL CREDIT ADVANCED MARKETING AB TCC COURSE: PRINCIPLES OF MARKETING (MRKG 1311) Course offerings may vary each year due to availability In this course, students will gain an introduction to the marketing mix functions and processes. The course opics include: identification of consumer and organizational needs and explanation of environmental issues. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	Tier I MKD34700AB 13034700 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): 3

DUAL CREDIT BUSINESS MANAGEMENT FOR LOGISTICS A (BUSMGTL ADC)	BAD12104A	
TCC COURSE: (BMGT 1301) Supervision		
*Course offerings may vary each year due to availability		
In this course, students will understand the role of the supervisor. Topics explored includes: managerial	13012100	
functions as applied to leadership, counseling, motivation, and human relations skills.	Grade level: 11 – 12	
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related	HS Credit(s): 1	
materials.	College Hour(s):-3	
Prerequisite(s): Dual Credit Business Management	Tier I	
TCC Prerequisite(s): BMGTI 1301 and BMGT 1313		
Offered only at: Diamond-Hills Jarvis HS (P-TECH)	DAD12104D	
DUAL CREDIT BUSINESS MANAGEMENT FOR LOGISTICS B (BUSMGTL B DC)	BAD12104B	
TCC COURSE: (BMGT 1313) Principles of Purchasing		
*Course offerings may vary each year due to availability	12012100	
In this course, students will learn about the purchasing process as it relates to such as topics as inventory control, price determination, vendor selection, supply chain management, negotiation techniques, and ethical	13012100 Grade level: 11 – 12	
control, price determination, vendor selection, supply chain management, negotiation techniques, and ethical issues in purchasing.		
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related	HS Credit(s): 1 College Hour(s): 3	
m <u>structional Material</u> . Contact the Office of Innovation, Early College Programs Department for related materials.	Tier I	
Prerequisite(s): Dual Credit Business Management	Heri	
TCC Prerequisite(s): BMGTI 1301 and BMGT 1313		
Offered only at: Diamond-Hills Jarvis HS (P-TECH)		
DUAL CREDIT UNPAID PRACTICUM IN DISTRIBUTION & LOGISITICS A (PRACDLG1 A DC)	TPD40470A	
TCC COURSE: (BMGT 1331) Production	11 2404707	
*Course offerings may vary each year due to availability		
In this course, students will understand the fundamentals of techniques used in the practice of production and	13040470	
operations management. Course topics includes location, design, and resource allocation.	Grade level: 11 - 12	
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related	HS Credit(s): 1	
materials.	College Hour(s): 3	
Prerequisite(s): Dual Credit Business Management	Tier I	
TCC Prerequisite(s): MRKG 1311 and ACCT 2301		
Offered only at: Diamond-Hills Jarvis HS (P-TECH)		
DUAL CREDIT UNPAID PRACTICUM IN DISTRIBUTION & LOGISITICS B (PRACDLG1 B DC)	TPD40470B	
TCC COURSE: (LMGT 2388) Internship: Logistics and Materials		
*Course offerings may vary each year due to availability		
A work-based learning experience that enables the student to apply specialized occupational theory, skills and	13040470	
concepts. A learning plan is developed by the College and the employer.	Grade level: 11 - 12	
	HS Credit(s): 1	
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.		
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	College Hour(s): 3 Tier I	
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related	College Hour(s): 3	

Software Development, IT and User Experience P-TECH –

Business & Industry Endorsement

FOR THE GRADUATING CLASS OF 2025 and beyond

The Software Development, IT and User Experience P-TECH Academy offers one (1) Career Focus.

South Hills High School Software Development, IT and User Experience P-TECH Academy Web Applications Crosswalk

	9 th Gra	ade	10¹	h Grade	11 th Grade		12 th Grad	le
Sem.	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
	English I or II	English I or II	English II or *III	English II or *III	*English III or IV OR Rhet. 1301	*English III or IV OR Rhet 1301	AP Lit	AP Lit
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra	Algebra II or *Pre-Calculus	Algebra II or *Pre-Calculus	*Pre-Calculus or *Calculus	* Pre-Calculus or *Calculus
	World Geography AP Human Geo	World Geography AP Human Geo	*AP World History	*AP World History	*AP US History	*AP US History	Government	Econ
	Biology Pre-AP Bio.	Biology Pre-AP Bio.	Chemistry	Chemistry	Physics or Chem II	Physics OR Chem II	4 th Year Science	4 th Year Science
	World Language	World Language	World Language	World Language				
_	*Dual Credit Fine Arts	*Dual Credit Speech	Health	Elective	Possible Elective	Possible Elective		
٥	PE	PE						
High School	Dual Credit Principles of Information Technology AB ¹ (ITD27201AB)	Dual Credit Computer Science I AB¹ (TAD2151AB)	Dual Credit Fundamentals of Computer Science AB ¹ (TAD2140AB) AND Dual Credit Computer Science II AB ² (TAD2153AB)	Dual Credit Web Communications T ¹ (ITD80810T) AND Dual Credit Mobile Application Development AB ² (TAD80390AB)	Dual Credit Foundations of Cybersecurity AB¹ (ITD27904AB) AND Dual Credit Networking AB² (ITD27402AB)		Dual Credit Web Design AB¹ (TAD7728AB) AND Honors Paid or Unpaid Practicum in Information Technology AB (ITH27212AB); (ITH27212AB) OR Honors Paid or Unpaid Practicum in STEM AB (STH37405AB); (STH37402AB) OR Honors Project-Based Research AB (CPH01500AB) OR Career Prep AB (CP01302AB)	Honors Paid or Unpaid Practicum in Information Technology AB (ITH27212AB); (ITH27202AB) OR Honors Paid or Unpaid Practicum in STEM AB (STH37405AB); (STH37402AB) Honors Project- Based Research AB (or CPH01500AB) OR Career Prep AB (CP01302AB)
	ARTS 1301**	SPEECH 1321**	CPMT 1403	ITSE 1411 ¹		ITSE 2371	ENGL 1301**	ENGL 1302
g	COSC 13011*	ITNW 1309	COSC 14362*	ITSE 1333	ITSY 13001*	ITSE 2310	MATH 1314**	MATH 2412
College					ITNW 1425 ² *	Behavioral Sci**	ITSE 2302	INEW 2434
							ITSE 2409*	
Hrs.	Up to 6	Up to 6	Up to 11	Up to 11	Up to 10	Up to 10	Up to 14	Up to 11

Degree: AAS Information Technology: Web Applications Programming - 60+ hours

College Level Certification(s): Web Applications Programming I, Level 1 (22 hrs) or Web Applications Programming II, Level 2 (31 hrs)

Industry Certification(s): WD Certified Web Design Certification

^{*}TSI compliance or TSI waiver will determine if the course is taken as a Dual Credit course for TSI placement courses. Students that are not TSI met will take AP courses in-lieu of dual credit course. **Need for AAS

Students who complete Fundamentals of Computer Science, Computer Science I, Computer Science II, and either Practicum will have met requirements for the Programming and Software Development Program of Study for a Business and Industry or STEM endorsement if the math and science requirements are met.

COURSE DESCRIPTIONS FOR THE SOFTWARE DEVELOPMENT, IT AND USER EXPERIENCE P-TECH

HONORS PROJECT-BASED RESEARCH AB (PROBS1 AB/H) (Available Fall 2023) *Previously Problems and Solutions	CPH01500AB
Students will research a real-world problem and possible solutions throughout this course. Students develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, are matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. This course must be cooperatively planned and supervised by the teacher ensuring that the student has guidance and support of a mentor or interdisciplinary team. The district must maintain a written project plan for each student enrolled in the course.	12701500 Grade level: 11-12 HS Credit(s): 1
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): Specific to program focus/pathway and is the previous course in the sequence.	Tier II
Offered at: All high school campuses	
CAREER PREPARATION I AB (CAREERP1 AB)	CP01300AB
This course is a paid capstone experience for students who have found employment for the school year. Career Preparation I provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with paid business and industry employment experiences. It supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success. A student must be a minimum age of 16 and hold valid work documentation, such as a Social Security card, to enroll in any paid learning experience course. In order to receive course credit, this course requires that students make a full year commitment to this course and their employment, are scheduled for 1 (one) class period of instruction and are employed for ten hours per week (or average of 20 hours across two weeks) at an approved site within ten days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan.	12701300 Grade level: 11 - 12 HS Credit(s): 2
Instructional Material: Contact Career and Technical Education Department for related materials	College Hour(s): NA
Prerequisite(s): None	Tier III
Offered at: All high school campuses	
CAREER PREPARATION II AB (CAREERP2 AB)	CP01400AB
The Career Preparation II course is for those students who are taking a Career Preparation course for the second time and continue or have new employment during the duration of the course; working ten hours per week (or average of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course.	12701400 Grade level: 12 HS Credit(s): 2
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Career Preparation I AB	College Hour(s): NA Tier III
Offered at: All high school campuses	
CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB)	CP01302AB
This course is a paid capstone experience for students who have found employment for the school year. Career Preparation I/Extended provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with paid business and industry employment experiences. It supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success. A student must be a minimum age of 16 and hold valid work documentation, such as a Social Security card, to enroll in any paid learning experience course. In order to receive course credit, this course requires that students make a full year commitment to this course and their employment, are scheduled for 1 (one) class period of instruction, and are employed for fifteen hours per week (or average of 30 hours across two weeks) at an approved site within ten days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. Instructional Material: Contact Career and Technical Education Department for related materials	12701305 Grade level: 11-12 HS Credit(s): 3
Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered at: All high school campuses	Tier III
- 11	4D04 400 4 D
CAREER PREPARATION II/EXTENDED (EXCAREE2 AB)	CP01402AB

HS Credit(s): 3

per week (or average of 30 hours across two weeks). This course provides the same opportunities and

requirements as the Career Preparation I/Extended course.

<u>Instructional Material</u> : Contact Career and Technical Education Department for related materials <u>Prerequisite(s)</u> : Career Preparation I	College Hour(s): NA Tier III
Offered at: All high school campuses	
HONORS UNPAID PRACTICUM IN INFORMATION TECHNOLOGY AB/D (PRACIT1 AB/H)	ITH27202AB
In addition to the regular course curriculum, students in this double period honors course will complete a project	13028000
using the five phases of project management used in the business and industry environment. In addition to the	Grade level: 12
regular course curriculum, students in the honors course will complete additional projects and activities related to	HS Credit(s): 2
the business and industry environment. See the Unpaid Practicum in Information Technology course description	
in the Career & Technical Education, Information Technology section of this document. Instructional Material: Contact Career and Technical Education for related materials	College Hour(s): NA
Prerequisite(s): Previous P-TECH Software Development, IT and User Experience coursework	Tier II
Offered at: South Hills (P-TECH)	TICL II
HONORS PAID PRACTICUM IN INFORMATION TECHNOLOGY AB/EXTENDED AB	ITH27212AB
(EXPRIT2 AB/H)	
In addition to the regular course curriculum, students in this honors course will complete a project using the five	13028050
phases of project management used in the business and industry environment. In addition to the regular course	Grade level: 12
curriculum, students in the honors course will complete additional projects and activities related to the business	HS Credit(s): 3
and industry environment. See the Unpaid Practicum in Information Technology course description in the Career	
& Technical Education, Information Technology section of this document.	
Instructional Material: Contact Career and Technical Education for related materials	College Hour(s): NA
Prerequisite(s): Previous P-TECH Software Development, IT and User Experience coursework	Tier II
Offered at: South Hills (P-TECH)	CTU2740245
HONORS UNPAID PRACTICUM IN STEM AB/D (PRACSTEM AB/H)	STH37402AB
In addition to the regular course curriculum, students in this double period honors course will complete a project using the five phases of project management used in the business and industry environment. In addition to the	13037400 Grade level: 12
regular course curriculum, students in the honors course will complete additional projects and activities related to	HS Credit(s): 2
the business and industry environment. See the Unpaid Practicum in STEM course description in the Career &	113 Cledit(3). Z
Technical Education, STEM section of this document.	
Instructional Material: Contact Career and Technical Education for related materials	College Hour(s): NA
Prerequisite(s): Previous P-TECH Software Development, IT and User Experience coursework	Tier II
Offered at: South Hills (P-TECH)	
HONORS PAID PRACTICUM IN STEM/EXTENDED AB (EXPRSTEM1 AB/H)	STH37405AB
In addition to the regular course curriculum, students in this honors course will complete a project using the five	13037405
phases of project management used in the business and industry environment. In addition to the regular course	Grade level: 12
curriculum, students in the honors course will complete additional projects and activities related to the business	HS Credit(s): 3
and industry environment. See the Unpaid Practicum in STEM course description in the Career & Technical	
Education, STEM section of this document.	C-1111(-)- NIA
<u>Instructional Material</u> : Contact Career and Technical Education for related materials <u>Prerequisite(s)</u> : Previous P-TECH Software Development, IT and User Experience coursework	College Hour(s): NA Tier II
Offered at: South Hills (P-TECH)	Her II
DUAL CREDIT PRINCIPLES OF INFORMATION TECHNOLOGY AB (PRINIT DC AB)	ITD27201AB
TCC Course: (COSC 1301) Introduction to Computing +	IIDE/201AD
Course offerings may vary each year due to availability	
Students will gain an overview of computer systems-hardware, operating systems, the Internet, and application	13027200
software including word processing, spreadsheets, presentation graphics, and databases. Current topics such as	Grade level: 9
the effect of computers on society, and the history and use of computers in business, educational, and other	HS Credit(s): 1
interdisciplinary settings are also studied. This course is not intended to count toward a student's major field of	
study in business or computer science.	C II
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	College Hour(s): 3
FWISD Prerequisite(s): None	Tier I
<u>TCC Prerequisite(s)</u> : None Course taught by a TCC-approved adjunct instructor	
Offered at: Diamond Hill Jarvis (P-TECH), Eastern Hills (P-TECH), South Hills (P-TECH), South Hills (P-TECH), and	
TCC South Collegiate HS (P-TECH), Eastern Hitts (F-TECH), South Hitts (F-TECH), South Hitts (F-TECH), and	
	TAD2151AB
	,
DUAL CREDIT COMPUTER SCIENCE I AB (TACS 1 DC AB)	
DUAL CREDIT COMPUTER SCIENCE I AB (TACS 1 DC AB) TCC (ITNW 1309) Fundamentals of Cloud Computing	
DUAL CREDIT COMPUTER SCIENCE I AB (TACS 1 DC AB) TCC (ITNW 1309) Fundamentals of Cloud Computing *Course offerings may vary each year due to availability	03580200
DUAL CREDIT COMPUTER SCIENCE I AB (TACS 1 DC AB) TCC (ITNW 1309) Fundamentals of Cloud Computing *Course offerings may vary each year due to availability Students will be introduced to personal computer operating systems including installation, configuration, file	03580200 Grade level: 9
DUAL CREDIT COMPUTER SCIENCE I AB (TACS 1 DC AB) TCC (ITNW 1309) Fundamentals of Cloud Computing *Course offerings may vary each year due to availability Students will be introduced to personal computer operating systems including installation, configuration, file management, memory and storage management, control of peripheral devices, and use of utilities.	Grade level: 9
DUAL CREDIT COMPUTER SCIENCE I AB (TACS 1 DC AB) TCC (ITNW 1309) Fundamentals of Cloud Computing Course offerings may vary each year due to availability Students will be introduced to personal computer operating systems including installation, configuration, file management, memory and storage management, control of peripheral devices, and use of utilities. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	Grade level: 9 HS Credit(s): 1
DUAL CREDIT COMPUTER SCIENCE I AB (TACS 1 DC AB) TCC (ITNW 1309) Fundamentals of Cloud Computing *Course offerings may vary each year due to availability Students will be introduced to personal computer operating systems including installation, configuration, file management, memory and storage management, control of peripheral devices, and use of utilities. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None	Grade level: 9
DUAL CREDIT COMPUTER SCIENCE I AB (TACS 1 DC AB) TCC (ITNW 1309) Fundamentals of Cloud Computing *Course offerings may vary each year due to availability Students will be introduced to personal computer operating systems including installation, configuration, file management, memory and storage management, control of peripheral devices, and use of utilities. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. EWISD Prerequisite(s): None TCC Prerequisite(s): None Course taught by a TCC-approved adjunct instructor	Grade level: 9 HS Credit(s): 1 College Hour(s): 3

DUAL CREDIT FUNDAMENTALS OF COMPUTER SCIENCE AB (TAFCS DC AB)	TAD2140AB
FCC Course: (CPMT 1403) Introduction to Computer Technology	
*Course offerings may vary each year due to availability	
Students will gain an understanding of current personal computer hardware including assembly, upgrading,	03580140
setup, configuration, and troubleshooting.	Grade level: 10 - 12
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	HS Credit(s): 1
FWISD Prerequisite(s): None	College Hour(s): 4
<u>TCC Prerequisite(s)</u> : None Course taught by a TCC-approved adjunct instructor	Tier I
Offered at: Eastern Hills (P-TECH) and South Hills (P-TECH)	
DUAL CREDIT COMPUTER SCIENCE II AB (TACS 2 DC AB)	TAD2153AB
TCC Course: (COSC 1436) Programming Fundamentals I	IADZIJJAD
*Course offerings may vary each year due to availability	
This course introduces the fundamental concepts of structured programming and provides a comprehensive	03580300
introduction to programming for computer science and technology majors. Topics include software development	Grade level: 10 - 12
methodology, data types, control structures, functions, arrays, and the mechanics of running, testing, and	HS Credit(s): 1
debugging. This course assumes computer literacy. This course is included in the Field of Study Curriculum for	. 15 6. 64. 1(5).
Computer Science.	
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	College Hour(s): 4
FWISD Prerequisite(s): None	Tier I
TCC Prerequisite(s): COSC 1301	
Course taught by a TCC-approved adjunct instructor	
Offered at: South Hills (P-TECH)	
DUAL CREDIT WEB COMMUNICATIONS T (TAWEBCM T DC)	ITD80810T
TCC Course: (ITSE 1411) Beginning Web Programming	
*Course offerings may vary each year due to availability	
Students will develop skills in web page programming including mark-up and scripting languages.	03580810
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	Grade level: 10 - 12
FWISD Prerequisite(s): None	HS Credit(s): 0.5
TCC Prerequisite(s): COSC 1301	College Hour(s): 4
Course taught by a TCC-approved adjunct instructor	Tier I
Offered at: South Hills (P-TECH)	
DUAL CREDIT MOBILE APPLICATION DEVELOPMENT AB (TAMBAD AB DC)	TAD80390AB
TCC Course: (ITSE 1333) Mobile Application Development	
*Course offerings may vary each year due to availability	
Students will gain an overview of different mobile platforms and their development environments. Design, write,	03580390
and test small interactive programs for mobile platforms using current development software products. Major	
	Grade level: 10 - 12
topics are discussion of the design process, develop applications and publish applications.	Grade level: 10 - 12 HS Credit(s): 1
topics are discussion of the design process, develop applications and publish applications. <u>Instructional Material</u> : Contact the Office of Innovation, Early College Programs Department for related materials. <u>FWISD Prerequisite(s)</u> : None	HS Credit(s): 1
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	HS Credit(s): 1 College Hour(s): 4
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): COSC 1436 Course taught by a TCC-approved adjunct instructor	HS Credit(s): 1 College Hour(s): 4
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None	HS Credit(s): 1 College Hour(s): 4
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): COSC 1436 Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH)	HS Credit(s): 1 College Hour(s): 4
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): COSC 1436 Course taught by a TCC-approved adjunct instructor	HS Credit(s): 1 College Hour(s): 4 Tier I
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): COSC 1436 Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH) DUAL CREDIT FOUNDATIONS OF CYBERSECURITY AB (FODCYBER DC AB)	HS Credit(s): 1 College Hour(s): 4 Tier I
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): COSC 1436 Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH) DUAL CREDIT FOUNDATIONS OF CYBERSECURITY AB (FODCYBER DC AB) TCC Course: (ITSY 1300) Fundamentals of Information Security *Course offerings may vary each year due to availability	HS Credit(s): 1 College Hour(s): 4 Tier I
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): COSC 1436 Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH) DUAL CREDIT FOUNDATIONS OF CYBERSECURITY AB (FODCYBER DC AB) TCC Course: (ITSY 1300) Fundamentals of Information Security *Course offerings may vary each year due to availability Students will be introduced to information security including vocabulary and terminology, ethics, the legal	HS Credit(s): 1 College Hour(s): 4 Tier I ITD27904AB
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): COSC 1436 Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH) DUAL CREDIT FOUNDATIONS OF CYBERSECURITY AB (FODCYBER DC AB) TCC Course: (ITSY 1300) Fundamentals of Information Security *Course offerings may vary each year due to availability Students will be introduced to information security including vocabulary and terminology, ethics, the legal environment, and risk management. Identification of exposures and vulnerabilities and appropriate	HS Credit(s): 1 College Hour(s): 4 Tier I ITD27904AB 03580850
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): COSC 1436 Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH) DUAL CREDIT FOUNDATIONS OF CYBERSECURITY AB (FODCYBER DC AB) TCC Course: (ITSY 1300) Fundamentals of Information Security *Course offerings may vary each year due to availability Students will be introduced to information security including vocabulary and terminology, ethics, the legal environment, and risk management. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning, policies and controls is also discussed. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	HS Credit(s): 1 College Hour(s): 4 Tier I ITD27904AB 03580850 Grade level: 10-12
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Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): COSC 1436 Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH) DUAL CREDIT FOUNDATIONS OF CYBERSECURITY AB (FODCYBER DC AB) TCC Course: (ITSY 1300) Fundamentals of Information Security *Course offerings may vary each year due to availability Students will be introduced to information security including vocabulary and terminology, ethics, the legal environment, and risk management. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning, policies and controls is also discussed. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): None	HS Credit(s): 1 College Hour(s): 4 Tier I ITD27904AB 03580850 Grade level: 10-12 HS Credit(s): 1 College Hour(s): 3
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): COSC 1436 Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH) DUAL CREDIT FOUNDATIONS OF CYBERSECURITY AB (FODCYBER DC AB) TCC Course: (ITSY 1300) Fundamentals of Information Security *Course offerings may vary each year due to availability Students will be introduced to information security including vocabulary and terminology, ethics, the legal environment, and risk management. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning, policies and controls is also discussed. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): None Course taught by a TCC-approved adjunct instructor	HS Credit(s): 1 College Hour(s): 4 Tier I ITD27904AB 03580850 Grade level: 10-12 HS Credit(s): 1 College Hour(s): 3
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Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): COSC 1436 Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH) DUAL CREDIT FOUNDATIONS OF CYBERSECURITY AB (FODCYBER DC AB) TCC Course: (ITSY 1300) Fundamentals of Information Security *Course offerings may vary each year due to availability Students will be introduced to information security including vocabulary and terminology, ethics, the legal environment, and risk management. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning, policies and controls is also discussed. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): None Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH)	HS Credit(s): 1 College Hour(s): 4 Tier I ITD27904AB 03580850 Grade level: 10-12 HS Credit(s): 1 College Hour(s): 3
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): COSC 1436 Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH) DUAL CREDIT FOUNDATIONS OF CYBERSECURITY AB (FODCYBER DC AB) TCC Course: (ITSY 1300) Fundamentals of Information Security	HS Credit(s): 1 College Hour(s): 4 Tier I ITD27904AB 03580850 Grade level: 10-12 HS Credit(s): 1 College Hour(s): 3 Tier I
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Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): COSC 1436 Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH) DUAL CREDIT FOUNDATIONS OF CYBERSECURITY AB (FODCYBER DC AB) TCC Course: (ITSY 1300) Fundamentals of Information Security *Course offerings may vary each year due to availability Students will be introduced to information security including vocabulary and terminology, ethics, the legal environment, and risk management. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning, policies and controls is also discussed. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): None Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH) DUAL CREDIT NETWORKING AB (NTWRK DC AB) TCC Course: (ITNW 1425) Fundamentals of Networking Technologies *Course offerings may vary each year due to availability	HS Credit(s): 1 College Hour(s): 4 Tier I ITD27904AB 03580850 Grade level: 10-12 HS Credit(s): 1 College Hour(s): 3 Tier I
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Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): COSC 1436 Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH) DUAL CREDIT FOUNDATIONS OF CYBERSECURITY AB (FODCYBER DC AB) TCC Course: (ITSY 1300) Fundamentals of Information Security *Course offerings may vary each year due to availability Students will be introduced to information security including vocabulary and terminology, ethics, the legal environment, and risk management. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning, policies and controls is also discussed. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): None TCC Prerequisite(s): None Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH) DUAL CREDIT NETWORKING AB (NTWRK DC AB) TCC Course: (ITNW 1425) Fundamentals of Networking Technologies *Course offerings may vary each year due to availability Students will receive instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software.	HS Credit(s): 1 College Hour(s): 4 Tier I ITD27904AB 03580850 Grade level: 10-12 HS Credit(s): 1 College Hour(s): 3 Tier I ITD27402AB
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): COSC 1436 Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH) DUAL CREDIT FOUNDATIONS OF CYBERSECURITY AB (FODCYBER DC AB) TCC Course: (ITSY 1300) Fundamentals of Information Security *Course offerings may vary each year due to availability Students will be introduced to information security including vocabulary and terminology, ethics, the legal environment, and risk management. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning, policies and controls is also discussed. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): None TCC Prerequisite(s): None Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH) DUAL CREDIT NETWORKING AB (NTWRK DC AB) TCC Course: (ITNW 1425) Fundamentals of Networking Technologies *Course offerings may vary each year due to availability Students will receive instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials.	HS Credit(s): 1 College Hour(s): 4 Tier I ITD27904AB 03580850 Grade level: 10-12 HS Credit(s): 1 College Hour(s): 3 Tier I ITD27402AB 13027400 Grade level: 10 – 12
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): COSC 1436 Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH) DUAL CREDIT FOUNDATIONS OF CYBERSECURITY AB (FODCYBER DC AB) TCC Course: (ITSY 1300) Fundamentals of Information Security *Course offerings may vary each year due to availability Students will be introduced to information security including vocabulary and terminology, ethics, the legal environment, and risk management. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning, policies and controls is also discussed. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): None Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH) DUAL CREDIT NETWORKING AB (NTWRK DC AB) TCC Course: (ITNW 1425) Fundamentals of Networking Technologies *Course offerings may vary each year due to availability Students will receive instruction in networking technologies and their implementation. Topics include the OSI	HS Credit(s): 1 College Hour(s): 4 Tier I ITD27904AB 03580850 Grade level: 10-12 HS Credit(s): 1 College Hour(s): 3 Tier I ITD27402AB 13027400 Grade level: 10 – 12 HS Credit(s): 1
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): COSC 1436 Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH) DUAL CREDIT FOUNDATIONS OF CYBERSECURITY AB (FODCYBER DC AB) TCC Course: (ITSY 1300) Fundamentals of Information Security *Course offerings may vary each year due to availability Students will be introduced to information security including vocabulary and terminology, ethics, the legal environment, and risk management. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning, policies and controls is also discussed. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None TCC Prerequisite(s): None TCC Prerequisite(s): None TCC Course taught by a TCC-approved adjunct instructor Offered at: South Hills (P-TECH) DUAL CREDIT NETWORKING AB (NTWRK DC AB) TCC Course: (ITNW 1425) Fundamentals of Networking Technologies *Course offerings may vary each year due to availability Students will receive instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): None	HS Credit(s): 1 College Hour(s): 4 Tier I ITD27904AB 03580850 Grade level: 10-12 HS Credit(s): 1 College Hour(s): 3 Tier I ITD27402AB 13027400 Grade level: 10 – 12 HS Credit(s): 1 College Hour(s): 4

DUAL CREDIT WEB DESIGN AB (TAWEBDN AB DC)	TAD7728AB
TCC Course: (ITSE 2302) Intermediate Web Programming	
*Course offerings may vary each year due to availability	
Students will develop skills in server-side and client-side techniques for Web development.	03580820
<u>Instructional Material</u> : Contact the Office of Innovation, Early College Programs Department for related materials.	Grade level: 10 - 12
FWISD Prerequisite(s): None	HS Credit(s): 1
TCC Prerequisite(s): ITSE 1411	College Hour(s): 4
Course taught by a TCC-approved adjunct instructor	Tier I
Offered at: South Hills (P-TECH)	
DUAL CREDIT FUNDAMENTALS OF COMPUTER SCIENCE AB (TAFCS DC AB)	TAD2140AB
TCC Course: (CPMT 1403) Introduction to Computer Technology	
*Course offerings may vary each year due to availability	
Students will gain an understanding of current personal computer hardware including assembly, upgrading,	03580140
setup, configuration, and troubleshooting.	Grade level: 10 - 12
	Grade level: 10 - 12 HS Credit(s): 1
<u>Instructional Material</u> : Contact the Office of Innovation, Early College Programs Department for related materials.	
setup, configuration, and troubleshooting. <u>Instructional Material</u> : Contact the Office of Innovation, Early College Programs Department for related materials. <u>FWISD Prerequisite(s)</u> : None <u>TCC Prerequisite(s)</u> : None	HS Credit(s): 1
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. FWISD Prerequisite(s): None	HS Credit(s): 1 College Hour(s): 4
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. WISD Prerequisite(s): None CC Prerequisite(s): None	HS Credit(s): 1 College Hour(s): 4

Business Administration & Management P-TECH

Business & Industry Endorsement

FOR THE GRADUATING CLASS OF 2026 and beyond

The Business Administration P-TECH Academy offers one (1) Career Focus.

Success High School Business Administration PTECH Academy Crosswalk

Associates of Arts Business/HS Diploma Multidisciplinary Endorsement/100% Online

Gr.	Year 1			Year 2		Year 3		
Sem.	1 st 9 weeks	2 nd 9weeks	3 rd 9 weeks	4 th 9weeks	Fall	Spring	Fall	Spring
	English I	English I	English II	English II	English III	English III	English IV	English IV
	Algebra I	Algebra I	Geometry	Geometry	Algebra II	Algebra II	4 th year Math	4 th year Math
	World Geography	World Geography	World History	World History	*US History	* US History	Government	Economics
	Biology	Biology	Chemistry	Chemistry	Physics Or Environmental Systems	Physics Or Environmental Systems	4th Year Science or Environmental Systems	4th Year Science or Environmental Systems
High School	Spanish I or II PE ART	Spanish I or II PE ART	*Speech	Health	,			Honors Practicum in Business Management AB (BAH12202 AB) OR Career Prep AB (CP01300AB)
Hīc		Dual Credit Business Information Management I AB (BAD11412AB) OR Dual Credit Advanced Marketing AB (MKD34700AB DC) OR Dual Credit Business Management AB (BAD12102AB)	Dual Credit Business Law AB (BAD11701 AB)				Dual Credit Accounting 1A (FND16612A)	Dual Credit Accounting 1B (FND16612B)
	KINE (PE) 1164	BCIS 1305	Huma 1301	BIOL 1408	*ENGL 1301	GOVT 2305	HIST 1302	ACCT 2302^
ge	ARTS 1301	MRKG 1311^	SPCH 1321	ECON 2301^	*MATH 1324	HIST 1301	GOVT 2306	BMGT 1341#
College	HUMA 1301#	BUSI 1301^	BUSI 2301^				ECON 2302^	BUSI 2305
ŭ							ENGL 1302	ACNT 1313#
							ACCT 2301^#	
Hrs.	Up to 9	Up to 9	Up to 9	Up to 6	Up to 6	Up to 6	Up to 15	Up to 12

Degree: AA Business Administration - 60+ hours or and AS in Business Administration

College Level Certification(s): Business Certification Level 1 – 24 hours

Industry Certification(s): Microsoft Office Specialist – Word, PowerPoint, Excel, and/or Office 365; OSHA 10-hour general

^{*}TSI compliance or TSI waiver will determine if the course is taken as a Dual Credit course for TSI placement courses. Juniors and seniors that are not TSI met will take AP courses in-lieu of dual credit course. Only college-level credit is awarded. Students who complete Business Management, Business Law, and Practicum in Business Management will have met requirements for the Business Management Program of Study for a Business and Industry endorsement. *Required courses for level 1 business certificate.

[#]Required courses for AA in Business degree.

COURSE DESCRIPTIONS FOR BUSINESS ADMINSITRATION P-TECH

DUAL CREDIT BUSINESS INFORMATION MANAGEMENT I AB (BUSIM1 AB DC) CC COURSE: Business Computer Applications (BCIS 1305)	BAD11412AB
Courses may change due to availability	
tudents will study computer terminology, hardware, and software related to the business environment. The	13011400
ocus of this course is on business productivity software applications and professional behavior in computing,	13011100
ncluding word processing (as needed), spreadsheets databases, presentation graphics, and business-oriented	Grade level: 9 - 12
tilization of the Internet.	HS Credit(s): 1
nstructional Material: TCC Course: Business Computer Applications (BCIS 1305)	College Hour(s): 3
WISD Prerequisite(s): None	Tier I
CC Prerequisite(s): TSI	
Offered only at: Marine Creek, Success HS, YWLA, and TCC South Collegiate HS (P-Tech)	
DUAL CREDIT ADVANCED MARKETING (ADVMKTG AB DC)	MKD34700AB
TCC COURSE: PRINCIPLES OF MARKETING (MRKG 1311)	
*Course offerings may vary each year due to availability	
In this course, students will gain an introduction to the marketing mix functions and processes. The course	13034700
topics include: identification of consumer and organizational needs and explanation of environmental issues.	
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related	Grade level: 11 - 12
materials.	HS Credit(s): 1
Prerequisite(s): Dual Credit Business Management	College Hour(s): 3
TCC Prerequisite(s): None	Tier I
Offered only at: Marine Creek, Success HS, YWLA, and TCC South Collegiate HS (P-Tech)	 -
DUAL CREDIT BUSINESS MANAGEMENT AB (BUSMGT AB DC)	BAD12102AB
TCC COURSE: (BUSI 1301) Business Principles	=
*Course offerings may vary each year due to availability	
This course provides a survey of economic systems, forms of business ownership, and considerations for running	13012100
a business. Students will learn various aspects of business, management, and leadership functions;	13012100
organizational considerations; and decision-making process. Financial topics are introduced, including	Grade level: 9-12
accounting, money and banking, and securities markets. Also included are discussions of business challenges in	HS Credit(s): 1
the legal and regulatory environment, business ethics, social responsibility, and International business.	115 Credit(3). 1
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	College Hour(s): 3
Prerequisite(s): None	Tier I
TCC Prerequisite(s): None	
Offered only at: Success HS and YMLA	
DUAL CREDIT BUSINESS LAW (BUSLAW AB DC)	BAD11701AB
TCC COURSE: BUSINESS LAW (BUS 2301)	DADTITOTAD
*Course offerings may vary each year due to availability	
This course provides the student with foundational information about the U.S. legal system and dispute	13011700
	13011700
·	
resolution, and their impact on business. The major content areas will include general principles of law, the	C
resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law	Grade level: 9 - 12
resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context.	HS Credit(s): 1
resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials	HS Credit(s): 1 College Hour(s): 3
resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None	HS Credit(s): 1
resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-Tech), Success HS, and Diamond Hill Jarvis (P-Tech)	HS Credit(s): 1 College Hour(s): 3 Tier I
resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-Tech), Success HS, and Diamond Hill Jarvis (P-Tech) DUAL CREDIT ACCOUNTING IA (ACCOUNT1 A DC)	HS Credit(s): 1 College Hour(s): 3
resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-Tech), Success HS, and Diamond Hill Jarvis (P-Tech) DUAL CREDIT ACCOUNTING IA (ACCOUNT1 A DC) TCC Course: Principles of Financial Accounting: (ACCT 2301)	HS Credit(s): 1 College Hour(s): 3 Tier I
resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-Tech), Success HS, and Diamond Hill Jarvis (P-Tech) DUAL CREDIT ACCOUNTING IA (ACCOUNT1 A DC) TCC Course: Principles of Financial Accounting: (ACCT 2301) *Courses may change due to availability	HS Credit(s): 1 College Hour(s): 3 Tier I FND16612A
resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-Tech), Success HS, and Diamond Hill Jarvis (P-Tech) DUAL CREDIT ACCOUNTING IA (ACCOUNT1 A DC) TCC Course: Principles of Financial Accounting: (ACCT 2301) *Courses may change due to availability This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally	HS Credit(s): 1 College Hour(s): 3 Tier I
resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-Tech), Success HS, and Diamond Hill Jarvis (P-Tech) DUAL CREDIT ACCOUNTING IA (ACCOUNT1 A DC) TCC Course: Principles of Financial Accounting: (ACCT 2301) *Courses may change due to availability This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations.	HS Credit(s): 1 College Hour(s): 3 Tier I FND16612A
resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-Tech), Success HS, and Diamond Hill Jarvis (P-Tech) DUAL CREDIT ACCOUNTING IA (ACCOUNT1 A DC) TCC Course: Principles of Financial Accounting: (ACCT 2301) *Courses may change due to availability This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial	HS Credit(s): 1 College Hour(s): 3 Tier I FND16612A
resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-Tech), Success HS, and Diamond Hill Jarvis (P-Tech) DUAL CREDIT ACCOUNTING IA (ACCOUNT1 A DC) TCC Course: Principles of Financial Accounting: (ACCT 2301) *Courses may change due to availability This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement,	HS Credit(s): 1 College Hour(s): 3 Tier I FND16612A
resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-Tech), Success HS, and Diamond Hill Jarvis (P-Tech) DUAL CREDIT ACCOUNTING IA (ACCOUNT1 A DC) TCC Course: Principles of Financial Accounting: (ACCT 2301) *Courses may change due to availability This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity to communicate the business entity's results of	HS Credit(s): 1 College Hour(s): 3 Tier I FND16612A
resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-Tech), Success HS, and Diamond Hill Jarvis (P-Tech) DUAL CREDIT ACCOUNTING IA (ACCOUNT1 A DC) TCC Course: Principles of Financial Accounting: (ACCT 2301) *Courses may change due to availability This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity to communicate the business entity's results of operations and financial position to users of financial information who are external to the company. Students will	HS Credit(s): 1 College Hour(s): 3 Tier I FND16612A
resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-Tech), Success HS, and Diamond Hill Jarvis (P-Tech) DUAL CREDIT ACCOUNTING IA (ACCOUNT1 A DC) TCC Course: Principles of Financial Accounting: (ACCT 2301) *Courses may change due to availability This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity to communicate the business entity's results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities, and owners' equity while learning to use reported financial information for	HS Credit(s): 1 College Hour(s): 3 Tier I FND16612A 13016600
resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-Tech), Success HS, and Diamond Hill Jarvis (P-Tech) DUAL CREDIT ACCOUNTING IA (ACCOUNT1 A DC) TCC Course: Principles of Financial Accounting: (ACCT 2301) *Courses may change due to availability This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity to communicate the business entity's results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities, and owners' equity while learning to use reported financial information for purposes of making decisions about the company. Students will be exposed to International Financial Reporting	HS Credit(s): 1 College Hour(s): 3 Tier I FND16612A 13016600 Grade level: 9 - 12
resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-Tech), Success HS, and Diamond Hill Jarvis (P-Tech) DUAL CREDIT ACCOUNTING IA (ACCOUNT1 A DC) TCC Course: Principles of Financial Accounting: (ACCT 2301) *Courses may change due to availability This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity to communicate the business entity's results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities, and owners' equity while learning to use reported financial information for purposes of making decisions about the company. Students will be exposed to International Financial Reporting Standards (IFRS).	HS Credit(s): 1 College Hour(s): 3 Tier I FND16612A 13016600 Grade level: 9 - 12 HS Credit(s): 0.5
resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-Tech), Success HS, and Diamond Hill Jarvis (P-Tech) DUAL CREDIT ACCOUNTING IA (ACCOUNT1 A DC) TCC Course: Principles of Financial Accounting: (ACCT 2301) *Courses may change due to availability This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity to communicate the business entity's results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities, and owners' equity while learning to use reported financial information for purposes of making decisions about the company. Students will be exposed to International Financial Reporting Standards (IFRS). Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	FND16612A 13016600 Grade level: 9 - 12 HS Credit(s): 0.5 College Hour(s): 3
resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-Tech), Success HS, and Diamond Hill Jarvis (P-Tech) DUAL CREDIT ACCOUNTING IA (ACCOUNT1 A DC) TCC Course: Principles of Financial Accounting: (ACCT 2301) *Courses may change due to availability This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity to communicate the business entity's results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities, and owners' equity while learning to use reported financial information for purposes of making decisions about the company. Students will be exposed to International Financial Reporting Standards (IFRS). Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None	HS Credit(s): 1 College Hour(s): 3 Tier I FND16612A 13016600 Grade level: 9 - 12 HS Credit(s): 0.5
resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered only at: TCC South Collegiate HS (P-Tech), Success HS, and Diamond Hill Jarvis (P-Tech) DUAL CREDIT ACCOUNTING IA (ACCOUNT1 A DC) TCC Course: Principles of Financial Accounting: (ACCT 2301) *Courses may change due to availability This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity to communicate the business entity's results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities, and owners' equity while learning to use reported financial information for purposes of making decisions about the company. Students will be exposed to International Financial Reporting Standards (IFRS). Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	FND16612A 13016600 Grade level: 9 - 12 HS Credit(s): 0.5 College Hour(s): 3

DUAL CREDIT ACCOUNTING IB (ACCOUNT1B DC) TCC Course: Principles of Managerial Accounting: (ACCT 2302)	FND16612B
*Courses may change due to availability	
This course is an introduction to the fundamental concepts of managerial accounting appropriate for all	13016600
organizations. Students will study information from the entity's accounting system relevant to decisions made by	Grade level: 11 - 12
internal managers, as distinguished from information relevant to users who are external to the company. The emphasis is on the identification and assignment of product costs, operational budgeting and planning, cost control, and management decision making. Topics include product costing methodologies, cost behavior,	HS Credit(s): 0.5
operational and capital budgeting, and performance evaluation.	Callaga Have(a), 2
Instructional Material: TCC Course: Principles of Managerial Accounting (ACCT 2302)	College Hour(s): 3
TCC Prerequisite(s): ACCT-2301 Course taught by an approved adjunct instructor.	Tier I
Offered only at: Marine Creek, Success HS, and TCC South Collegiate HS (P-Tech)	

Texas Science, Technology, Engineering, and Mathematics

Initiative (T-STEM)

Texas Science, Technology, Engineering and Mathematics (T-STEM) Academies are open-enrollment secondary schools focusing on improving instruction and academic performance in science and mathematics-related subjects and increasing the number of students who study and enter STEM careers. T-STEM programs:

- Enroll historically underserved students, targeting at-risk and economically disadvantaged
- Provide dual credit at no cost to students
- Improve STEM instruction and the academic performance of students
- Engage students and expose them to innovation and problem-solving in real-world contexts
- Offer rigorous instruction and accelerated courses
- Provide academic and social support services to help students succeed
- Increase college readiness
- Align to regional workforce needs, guiding students into high-demand, high-wage careers
- Partner with Texas institutions of higher education (IHEs) to reduce barriers to college access

Location	Focus	Implemented	Associate's Degree	College Level Certificate(s)	Industry Certification(s)
Young	Robotics and Automation	2021-2022	Associate of Applied Science (AAS), Robotics and Automation	Mechatronics Technician, Level 1	Certified SolidWorks Associate or Autodesk Inventor
Men's Leadership Academy	Business	2021-2022	Associate of Arts (AA), Business	Business Certification, Level 1 Business Certification, Level 2	Entrepreneurship and Small Business (ESB) and/or Intuit QuickBooks Certified User
I.M. Terrell Academy	Robotics and Automation	2021-2022	Associate of Applied Science (AAS), Robotics and Automation	Mechatronics Technician, Level 1	Certified SolidWorks Associate or Autodesk Inventor

Young Men's Leadership Academy T-STEM –

STEM Endorsement

FOR THE GRADUATING CLASS OF 2026 and Beyond

The YMLA T-STEM Academy offers two (2) Career Focuses.

Young Men's Leadership Academy Robotics and Automation Crosswalk

Gr.	9 th Grade 10 th Grade 11 th Grade 12 th Grade						^ d -	
	Fall		Fall		Fall		Fall	
Sem.	English I or II	Spring English I or II	English II or III	Spring English II or III	English III* or	Spring English III or IV^	English IV or English Elective	Spring English IV or English Elective
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	College Algebra*	Pre-Calculus^	4 th Year Math	4 th Year Math
	AP or Honors Geography	AP or Honors Geography	AP or Honors World History	AP or Honors World History	US History	US History	Government*	Economics^
	Biology	Biology	Physics or Chemistry	Physics or Chemistry	Physics or AP or Honors Chemistry	Physics or AP or Honors Chemistry	4 th Year Science	4 th Year Science
<u> </u>	PE	PE	Health		CIM AB (STH37482AB)	CIM AB (STH37482AB)	Practicum in STEM AB (STH37405AB)	Practicum in STEM AB (STH37405AB)
High School	IED AB (STH07422AB)	IED AB (STH07422AB)	Engineering Science AB (STH37482AB)	Engineering Science AB (STH37482AB)	Digital Electronics AB* Double- Block (STD37443AB)	Programmable Logic Controller II AB* Double-Block (TBD: STD03690AB)	Basic Fluid Power AB* (MAD03683AB)	Robotics II AB* Double-Block (STD37003AB)
	Art Appreciation*	Speech*	Robotics I AB* (STD37002AB)	Solid State Electronics A* Double-Block (STD36902A)	No Articulation for CETT 1445* Double-Block	No Articulation for CETT 2435* Double-Block	No Articulation for RBTC 1447* Double-Block	No Articulation for ELMT 2337*
	Spanish I^	Spanish II^	AC/DC Electronics AB* Double-block (STD36802AB)	Solid State Electronics B* Double-Block (STD36902B)				
	ARTS 1301	SPCH 1321	RBTC 1351	RBTC 1401	CETT 1449	ELPT 2455	HYDR 1345	RBTC 2445
ege	^SPAN 1411	^SPAN 1412	CETT 1409	CETT 1441	CETT 1445	CETT 2435	RBTC 1447	ELMT 2337
College					ENGL 1301	^ENGL 1302	GOVT 2305	^ECON 2301
					MATH 1314	^MATH 2412		
Hrs.	Up to 7	Up to 7	Up to 7	Up to 8	Up to 14	Up to 15	Up to 10	Up to 10

Degree: AAS Robotics and Automation: 60+ hours

College Level Certification: Mechatronics Technician, Level 1 Certification: 30 hours **Industry Certification(s):** Certified SolidWorks Associate or Autodesk Inventor

Students who complete Principles of Applied Engineering, AC/DC Electronics, Solid State Electronics, and Digital Electronics will have met requirements for the Renewable Energy Program of Study for a STEM Endorsement. This is capped with a Practicum in STEM if the math and science requirements are met.

TSI compliance or TSI waiver will determine if the course is taken as a Dual Credit course for TSI placement courses. Juniors and seniors that are not TSI met will take AP courses in lieu of a dual credit course.

^{*}Required Dual Credit course to meet Associate Degree requirements

[^]Optional Dual Credit course

Young Men's Leadership Academy T-STEM -

Business and Industry Endorsement

FOR THE GRADUATING CLASS OF 2026 and Beyond

Young Men's Leadership Academy **Business Crosswalk** 10th Grade 12th Grade Gr. 9th Grade 11th Grade Fall Fall Fall Fall Sem. Spring Spring Spring Spring English III or IV English III* or English IV or English IV or English I or II English II or III English II or III English I or II **IV OnRamps** OnRamps* **English Elective English Elective** Algebra I or Algebra I or Geometry or Geometry or Algebra II or Algebra II or AP Calculus AB AP Calculus AB Pre-Calculus Pre-Calculus or BC Geometry Geometry Algebra II Algebra II or BC AP or Honors AP or Honors AP or Honors AP or Honors **US History* US History*** Economics* Economics* Geography Geography World History World History OnRamps OnRamps 4th Year 4th Year AP or Honors AP or Honors Biology Biology Physics or Physics or Anat. Science* Science Chemistry Chemistry Anat. & Phys. & Phys. Practicum in Practicum in **Special Topics Business Business** No Articulation in Social Management Management **United States** Art Speech* PE* for MATH Studies: Texas AB /Career AB /Career Appreciation* Government T* 1324* Government Prep AB Prep AB High School T* (BAH12202AB or (BAH12202AB or CP01300AB) CP01300AB) **Dual Credit Business Dual Credit Dual Credit Dual Credit Business Law** No Articulation Advanced Information Spanish I* Spanish II* Accounting I Accounting I B* AB^ for BUSI 2305* Marketing AB^ Management I (FND16612B) (BAD11701AB) A* (FND16612A) (MKD34700AB) AB* (BAD11412AB) **Dual Credit Business** Management AB* (BAD12102AB) **ARTS 1301 KINE 1164 ACCT 2301 ACCT 2302 BUSI 2305 ^BUSI 2301 SPCH 1321** MATH 1324 ^SPAN 1411 ^SPAN 1412 **BCIS 1305 ^MRKG 1311 ENGL 1302 ECON 2302 ENGL 1301 ECON 2301** College BIOL 1406 or **BUSI 1301** HIST 1301 HIST 1302 PHYS 1401 or **GEOL 1401 GOVT 2306 GOVT 2305** Up to 7 Up to 10 Up to 6 Up to 12 Up to 10 Up to 6 Hrs. Up to 4 Up to 12

Degree: AA Business: 60+ hours

College Level Certification: Business Certification, Level 1: 24 hours

Industry Certification(s): Microsoft Office Specialist – Word or Microsoft Office Specialist – Excel

Business Level 2 certification additional courses: BMGT 1327, BMGT 1341 & BCIS 1305 + 6 hours of electives

Students who complete Business Information Management, Business Management, Business Law, and Practicum in Business

Management/Entrepreneurship will have met requirements for the Business Management Program of Study for a Business and Industry Endorsement.

TSI compliance or TSI waiver will determine if the course is taken as a Dual Credit course for TSI placement courses. Juniors and seniors that are not TSI met will take AP courses in lieu of a dual credit course.

^{*}Required Dual Credit course to meet Associate Degree requirements

[^]Optional Dual Credit course

COURSE DESCRIPTIONS FOR T-STEM AT YMLA

CAREER PREPARATION I AB (CAREERP1 AB)	CP01300AB
This course is a paid capstone experience for students who have found employment for the school year. Career Preparation I provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with paid business and industry employment experiences. It supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, numan relations, and portfolio development. Career preparation is relevant and rigorous, supports student	12701300 Grade level: 11 - 12 HS Credit(s): 2
ttainment of academic standards, and effectively prepares students for college and career success. A student nust be a minimum age of 16 and hold valid work documentation, such as a Social Security card, to enroll in any aid learning experience course. In order to receive course credit, this course requires that students make a full ear commitment to this course and their employment, are scheduled for 1 (one) class period of instruction and re employed for ten hours per week (or average of 20 hours across two weeks) at an approved site within ten ays of the beginning of the course. Work hours can be included during the school day or outside of school ours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan.	
nstructional Material: Contact Career and Technical Education Department for related materials (rerequisite(s): None Offered at: All high school campuses	College Hour(s): NA Tier III
CAREER PREPARATION II AB (CAREERP2 AB)	CP01400AB
The Career Preparation II course is for those students who are taking a Career Preparation course for the second ime and continue or have new employment during the duration of the course; working ten hours per week (or verage of 20 hours across two weeks). This course provides the same opportunities and requirements as the	12701400 Grade level: 12 HS Credit(s): 2
Career Preparation I course. Instructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Career Preparation I AB Offered at: All high school campuses	College Hour(s): NA Tier III
CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB)	CP01302AB
This course is a paid capstone experience for students who have found employment for the school year. Career Preparation I/Extended provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with paid business and industry employment experiences. It supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, numan relations, and portfolio development. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success. A student must be a minimum age of 16 and hold valid work documentation, such as a Social Security card, to enroll in any paid learning experience course. In order to receive course credit, this course requires that students make a full year commitment to this course and their employment, are scheduled for 1 (one) class period of instruction, and are employed for fifteen hours per week (or average of 30 hours across two weeks) at an approved site within ten days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan.	12701305 Grade level: 11-12 HS Credit(s): 3
nstructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None	College Hour(s): NA Tier III
Offered at: All high school campuses	
AREER PREPARATION II/EXTENDED (EXCAREE2 AB)	CP01402AB
he Career Preparation I/Extended course is for those students who are taking a Career Preparation course for ne second time and continue or have new employment during the duration of the course; working fifteen hours er week (or average of 30 hours across two weeks). This course provides the same opportunities and equirements as the Career Preparation I/Extended course.	12701405 Grade level: 12 HS Credit(s): 3
nstructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Career Preparation I Offered at: All high school campuses	College Hour(s): NA Tier III
HONORS UNPAID PRACTICUM IN STEM/d AB (PRACSTEM AB/H)	STH37402AB
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of career and technical education courses within their designated program of study. This course is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. In addition, students in this	13037400 Grade level: 12 HS Credit(s): 2

raining off-site, outside of school. In addition to the regular course curriculum, students in the honors course vill complete additional projects and activities related to the program of study.	
nstructional Material: Contact Career and Technical Education Director for related materials Prerequisite(s): Two credits from a combination of STEM courses	College Hour(s): NA Tier II
Offered only at: YMLA	
HONORS PAID PRACTICUM IN STEM/EXTENDED AB (EXPRSTEM1 AB/H)	STH37405AB
This practicum course is a paid capstone experience for students participating in a coherent sequence of career and technical education courses within their designated program of study. This course is designed to give tudents supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. A student must be a minimum age of 16 and hold valid work documentation, such as a Social Security card, to enroll in any of the practicum examing experiences. In order to receive course credit, this course requires that students make a full year commitment to this course and their employment, must have related classroom instruction that averages one lass period per week during the school year, are employed for fifteen (15) hours per week (or average of 30 hours across two weeks) at an approved site within ten days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13037405 Grade level: 12
nstructional Material: Contact Career and Technical Education Director for related materials	HS Credit(s): 3
rerequisite(s): Two credits from a combination of STEM courses	College Hour(s): NA
Offered only at: YMLA	Tier II
HONORS PAID PRACTICUM IN STEM AB (PRACSTEM AB/H)	STH37409AB
This practicum course is a paid capstone experience for students participating in a coherent sequence of career and technical education courses within their designated program of study. This course is designed to give tudents supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. A student must be a minimum age of 16 and hold valid work documentation, such as a Social Security card, to enroll in any of the practicum examing experiences. In order to receive course credit, this course requires that students make a full year commitment to this course and their employment, must have related classroom instruction that averages one lass period per week during the school year, are employed for ten (10) hours per week (or average of 20 hours cross two weeks) at an approved site within ten days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13037400 Grade level: 12 HS Credit(s): 2
nstructional Material: Contact Career and Technical Education Director for related materials Prerequisite(s): Two credits from a combination of STEM courses Offered only at: YMLA	College Hour(s): NA Tier II
HONORS UNPAID PRACTICUM IN BUSINESS MANAGEMENT AB (PRACBM AB/H)	BAH12202AB
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of areer and technical education courses within the designated program of study. This course is designed to give tudents supervised practical application of previously studied knowledge and skills. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, inancial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning kills and apply them to the business environment. Students incorporate a broad base of knowledge that includes he legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. Instruction may be delivered through lab-based classroom experiences or career preparation apportunities. Practicum capstone experiences can occur in a variety of locations appropriate to the nature and evel of experiences such as independent study, assistantships, mentorships, or laboratories. The various in-class apstone experiences include students working in a simulated environment, running an enterprise, or be involved in program-specific local projects the school has approved for this class. Additional capstone experiences also include students being selected to be a part of a work-based experience or industry training off-site, outside of chool. Students will build a professional portfolio demonstrating skills in Business Management. In addition to the regular course curriculum, students in the honors course will complete additional projects and activities elated to the program of study.	13012200 Grade level: 11-12
nstructional Material: Contact Career and Technical Education Department for related materials Perequisite(s): Two credits from a combination of Business courses	HS Credit(s): 2 College Hour(s): NA
Offered at: YMLA	Tier II
HONORS INTRODUCTION TO ENGINEERING DESIGN AB (PLTW) (IED AB/H) n this honors course, students use a problem-solving model to improve existing products and invent new ones.	STH07422AB N1303742

students in the honors course will complete additional projects and activities related to the program of study.	Callana III () NI
Instructional Material: Project Lead the Way materials furnished by CTE department Prerequisite(s): Engineering Essentials (PLTW) Offered at: YMLA	College Hour(s): NA Tier II
HONORS ENGINEERING SCIENCE (PLTW) AB (ENGSCIEN AB/H)	STH03742AB
This honors course helps students understand the field of engineering/engineering technology. Exploring various manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about the social and political consequences of technological change. In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13037500 Grade level: 10 – 11 HS Credit(s): 1
Instructional Material: Project Lead the Way materials furnished by CTE department Prerequisite(s): Introduction to Engineering Design (PLTW) Offered at: YMLA	College Hour(s): NA Tier II
HONORS COMPUTER INTEGRATED MANUFACTURING AB (PLTW) (CIM AB/H)	STH37482AB
This is a course of study in the PLTW program. Manufactured items are part of everyday life, yet most students have not been introduced to the high-tech, innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation. In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	N1303748 Grade level: 11 - 12 HS Credit(s): 1
Instructional Material: Project Lead the Way materials furnished by CTE department Prerequisite(s): Engineering Science (PLTW) Offered at: YMLA	College Hour(s): NA Tier II
DUAL CREDIT ROBOTICS I AB (ROBOT 1AB DC) TCC Course: (RBTC 1351) Robotics Mechanisms	STD37002AB
*Course offerings may vary each year due to availability	
In this course, students learn the application of principles and the calculation of practical problems involving four bar linkages, cams, gears, and gear trains. Topics include vector quantities, angular displacement, motion concepts, velocities, and motions.	13037000 Grade level: 10-12 HS Credit(s): 1
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None TCC Prerequisite(s): MATH 1332	College Hour(s): 3 Tier I
Offered only at: YMLA	STD36802AB
DUAL CREDIT AC/DC ELECTRONICS AB (ACDCELEC AB DC) TCC Course: (CETT 1409) DC-AC Circuits *Course offerings may vary each year due to availability.	
*Course: (CETT 1409) DC-AC Circuits *Course offerings may vary each year due to availability In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit	13036800 Grade level: 10-12 HS Credit(s): 1
*Course: (CETT 1409) DC-AC Circuits *Course offerings may vary each year due to availability In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None TCC Prerequisite(s): TSI Met in Algebraic Math pathway	13036800 Grade level: 10-12
*Course (CETT 1409) DC-AC Circuits *Course offerings may vary each year due to availability In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None TCC Prerequisite(s): TSI Met in Algebraic Math pathway Offered only at: YMLA DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers	13036800 Grade level: 10-12 HS Credit(s): 1
*Course: (CETT 1409) DC-AC Circuits *Course offerings may vary each year due to availability In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None TCC Prerequisite(s): TSI Met in Algebraic Math pathway Offered only at: YMLA DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and	13036800 Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A
TCC Course: (CETT 1409) DC-AC Circuits *Course offerings may vary each year due to availability In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None TCC Prerequisite(s): TSI Met in Algebraic Math pathway Offered only at: YMLA DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None TCC Prerequisite(s): None	13036800 Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A
*Course offerings may vary each year due to availability In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None TCC Prerequisite(s): TSI Met in Algebraic Math pathway Offered only at: YMLA DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None TCC Prerequisite(s): None TCC Prerequisite(s): None TCC Prerequisite(s): None Offered only at: YMLA	13036800 Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A 13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4 Tier I
TCC Course: (CETT 1409) DC-AC Circuits *Course offerings may vary each year due to availability In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None TCC Prerequisite(s): TSI Met in Algebraic Math pathway Offered only at: YMLA DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None TCC Prerequisite(s): None Offered only at: YMLA DUAL CREDIT SOLID STATE ELECTRONICS B (SOSTELEC B DC) TCC Course: (CETT 1441) Solid State Circuits	13036800 Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A 13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4
*Course: (CETT 1409) DC-AC Circuits *Course offerings may vary each year due to availability In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material; Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None TCC Prerequisite(s): TSI Met in Algebraic Math pathway Offered only at: YMLA DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers *Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material; Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None TCC Prerequisite(s): None Offered only at: YMLA DUAL CREDIT SOLID STATE ELECTRONICS B (SOSTELEC B DC) TCC Course: (CETT 1441) Solid State Circuits *Course offerings may vary each year due to availability	13036800 Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A 13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4 Tier I
**Course (CETT 1409) DC-AC Circuits **Course offerings may vary each year due to availability In this course, students learn the fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit fabrication techniques, troubleshooting techniques and circuit analysis using Mathcad. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None TCC Prerequisite(s): TSI Met in Algebraic Math pathway Offered only at: YMLA DUAL CREDIT SOLID STATE ELECTRONICS A (SOSTELEC A DC) TCC Course: (RBTC 1401) Programmable Logic Controllers **Course offerings may vary each year due to availability In this course, students will learn about programmable logic controllers (PLC). Topics include processor units, USER numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming. Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None	13036800 Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I STD36902A 13036900 Grade level: 10-12 HS Credit(s): 0.5 College Hour(s): 4 Tier I

DUAL CREDIT DIGITAL ELECTRONICS AB (DIGELC DC AB)	STD37443AB
TCC Course: (CETT 1449) Digital Systems	
*Course offerings may vary each year due to availability	12027600
In this course, students will learn about electronics covering digital systems. Emphasis on application and troubleshooting digital systems using counters, registers, code converters, multiplexers, analog-to-digital to-	13037600 Grade level: 10-12
analog circuits, and large-scale integrated circuits.	HS Credit(s): 1
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	College Hour(s): 4
Prerequisite(s): None	Tier I
TCC <u>Prerequisite(s):</u> TSI Met in Algebraic Math pathway	Herr
Offered only at: YMLA	
DUAL CREDIT PROGRAMMABLE LOGIC CONTROLLER II AB (TBD: PROLGCNT2 AB DC) TCC Course: (ELPT 2445) Programmable Logic Control II	TBD: STD03690AB
*Course offerings may vary each year due to availability	
In this course, students will learn advanced concepts in programmable logic controllers and their applications and	N1303690
interfacing to industrial controls.	Grade level: 10-12
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	HS Credit(s): 1
<u>Prerequisite(s)</u> : None	College Hour(s): 4
TCC Prerequisite(s): None	Tier I
Offered only at: YMLA	
DUAL CREDIT BASIC FLUID POWER AB (BASICFP AB DC)	MAD03683AB
TCC Course: (HYDR 1345) Hydraulics and Pneumatics	
*Course offerings may vary each year due to availability	
In this course, students learn the fundamentals of hydraulics and pneumatics, components of each system, and	N1303683
the operations, maintenance, and analysis of each system.	Grade level: 10-12
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	HS Credit(s): 1
<u>Prerequisite(s)</u> : None	College Hour(s): 3
TCC Prerequisite(s): None	Tier I
Offered only at: YMLA	
DUAL CREDIT ROBOTICS II AB (ROBOTIC 2AB DC)	STD37003AB
TCC Course: (RBTC 2445) Robot Application, Set-up, and Testing	
*Course offerings may vary each year due to availability	
In this course, students engage in a capstone course that provides the student with laboratory experience in the	13037050
installation, set-up, and testing of robotic cells. Topics include maintenance.	Grade level: 10-12
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	HS Credit(s): 1
Prerequisite(s): Robotics II	College Hour(s): 4
TCC Prerequisite(s): None	Tier I
Offered only at: YMLA	
DUAL CREDIT BUSINESS MANAGEMENT AB (BUSMGT AB DC)	BAD12102AB
TCC COURSE: (BUSI 1301) Business Principles	
*Course offerings may vary each year due to availability	
This course provides a survey of economic systems, forms of business ownership, and considerations for running	13012100
a business. Students will learn various aspects of business, management, and leadership functions;	Grade level: 10-12
organizational considerations; and decision-making process. Financial topics are introduced, including	HS Credit(s): 1
accounting, money and banking, and securities markets. Also included are discussions of business challenges in	• •
the legal and regulatory environment, business ethics, social responsibility, and International business.	
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	College Hour(s): 3
Prerequisite(s): None	Tier I
TCC Prerequisite(s): None	
Offered only at: YMLA	
DUAL CREDIT BUSINESS INFORMATION MANAGEMENT I AB (BUSIM1 AB DC)	BAD11412AB
TCC COURSE: Business Computer Applications (BCIS 1305)	
*Courses may change due to availability	
Students will study computer terminology, hardware, and software related to the business environment. The focus	13011400
of this course is on business productivity software applications and professional behavior in computing, including	Grade level: 9 - 12
word processing (as needed), spreadsheets databases, presentation graphics, and business-oriented utilization of	HS Credit(s): 1
	• •
the Internet.	College Hour(s): 3
	College mounts of
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials	•
<u>Instructional Material</u> : Contact the Office of Innovation, Early College Programs Department for related materials <u>Prerequisite(s)</u> : None	Tier I
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None TCC Prerequisite(s): TSI	•
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None TCC Prerequisite(s): TSI Offered only at: YMLA	Tier I
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None TCC Prerequisite(s): TSI Offered only at: YMLA DUAL CREDIT ADVANCED MARKETING AB (ADVMKT AB DC)	•
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None TCC Prerequisite(s): TSI Offered only at: YMLA DUAL CREDIT ADVANCED MARKETING AB (ADVMKT AB DC) TCC COURSE: Principles of Marketing (MRKG 1311)	Tier I
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None TCC Prerequisite(s): TSI Offered only at: YMLA DUAL CREDIT ADVANCED MARKETING AB (ADVMKT AB DC) TCC COURSE: Principles of Marketing (MRKG 1311) *Courses may change due to availability	Tier I MKD34700AB
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None TCC Prerequisite(s): TSI Offered only at: YMLA DUAL CREDIT ADVANCED MARKETING AB (ADVMKT AB DC) TCC COURSE: Principles of Marketing (MRKG 1311) *Courses may change due to availability Students will study marketing mix functions and process, including identification of consumer and organizational needs and explanation of environmental issues.	Tier I

<u>Instructional Material</u> : Contact the Office of Innovation, Early College Programs Department for related materials <u>Prerequisite(s)</u> : None	HS Credit(s): 2 College Hour(s): 3
TCC Prerequisite(s): None	Tier I
Offered only at: YMLA	· ·· · ·
DUAL CREDIT ACCOUNTING IA (ACCOUNT1 A DC)	FND16612A
TCC Course: Principles of Financial Accounting: (ACCT 2301)	
*Courses may change due to availability	
This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity to communicate the business entity's results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities, and owners' equity while learning to use reported financial information for purposes of making decisions about the company. Students will be exposed to International Financial Reporting	13016600 Grade level: 11 - 12 HS Credit(s): 0.5
Standards (IFRS). nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None ICC Prerequisite(s): TSI compliant in Math ICC Recommended Co-requisites: MATH 1324 Offered only at: YMLA	College Hour(s): 3 Tier I
DUAL CREDIT ACCOUNTING IB (ACCOUNT1B DC)	FND16612B
TCC Course: Principles of Managerial Accounting: (ACCT 2302) *Courses may change due to availability	
This course is an introduction to the fundamental concepts of managerial accounting appropriate for all	13016600
organizations. Students will study information from the entity's accounting system relevant to decisions made by internal managers, as distinguished from information relevant to users who are external to the company. The emphasis is on the identification and assignment of product costs, operational budgeting and planning, cost control, and management decision making. Topics include product costing methodologies, cost behavior, operational and capital budgeting, and performance evaluation.	Grade level: 11 - 12 HS Credit(s): 0.5
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None ICC Prerequisite(s): ACCT-2301	College Hour(s): 3 Tier I
Offered only at: YMLA	
DUAL CREDIT BUSINESS LAW (BUSLAW AB DC) ICC COURSE: BUSINESS LAW (BUS 2301)	BAD11701AB
*Course offerings may vary each year due to availability	12011700
This course provides the student with foundational information about the U.S. legal system and dispute resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context.	13011700 Grade level: 11 - 12 HS Credit(s): 1 College Hour(s): 3
nstructional Material: Contact the Office of Innovation, Early College Programs Department for related materials. Prerequisite(s): None ICC Prerequisite(s): None Offered only at: YMLA	Tier I
DUAL CREDIT BUSINESS INFORMATION MANAGEMENT II (BUSIM2 AB DC)	BADXXXXXAB
CC Course: Business Ethics: (BMGT 1341)	DADAAAAAB
Courses may change due to availability	12016600
his course is a discussion of ethical issues, the development of a moral frame of reference, and the need for an wareness of social responsibility in management practices and business activities. Includes ethical corporate esponsibility.	13016600 Grade level: 10 - 12 HS Credit(s): 1.0
nstructional Material: TCC Course: Principles of Managerial Accounting (ACCT 2302) CC Prerequisite(s): ACCT-2302 Course taught by an approved adjunct instructor.	College Hour(s): 3.0 Tier I
Offered only at: YMLA and TCC South Collegiate HS (P-Tech)	

I.M. Terrell Academy T-STEM -

STEM Endorsement

FOR THE GRADUATING CLASS OF 2026 and Beyond

The I.M. Terrell T-STEM Academy offers one (1) Career Focus.

I.M. Terrell Academy Robotics and Automation Crosswalk

Gr.	r. 9 th Grade		10 th Grade		11 th Grade		12 th Grade	
Sem.	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
	English I or II	English I or II	English II or III	English II or III	English III* or IV	English III or IV^	English IV or English Elective	English IV or English Elective
	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry or Algebra II	College Algebra*	Pre-Calculus^	4 th Year Math	4 th Year Math
	Special Topics Adv. W. History	Special Topics Adv. W. History	World History	World History	US History	US History	Government*	Economics^
	IPC	IPC	OnRamps Physics or Chemistry	OnRamps Physics or Chemistry	AP Biology	AP Biology	4 th Year Science	4 th Year Science
High School	PE	PE	Health	Solid State Electronics A* (STD36902A)	Digital Electronics AB* (STD37443AB)	Programmable Logic Controller II AB* (TBD: STD03690AB)	Practicum in STEM AB (STH37405AB)	Practicum in STEM AB (STH37405AB)
Higl	Principles of Applied Engineering AB (STH36202AB)	Principles of Applied Engineering AB (STH36202AB)	Robotics I AB* (STD37002AB)	Solid State Electronics A* Double-Block (STD36902A)	Digital Electronics AB* Double-Block (STD37443AB)	Programmable Logic Controller II AB* Double-Block (TBD: STD03690AB)	Basic Fluid Power AB* (MAD03683AB)	Robotics II AB* (STD37003AB)
	Speech*	Art Appreciation*	AC/DC Electronics AB* (STD36802AB)	Solid State Electronics B* (STD36902B)	No Articulation for CETT 1445*	No Articulation for CETT 2435*	No Articulation for RBTC 1447*	Robotics II AB* Double-Block (STD37003AB)
	Spanish I^	Spanish II^	AC/DC Electronics AB* Double-block (STD36802AB)	Solid State Electronics B* Double-Block (STD36902B)	No Articulation for CETT 1445* Double-Block	No Articulation for CETT 2435* Double-Block	No Articulation for RBTC 1447* Double-Block	No Articulation for ELMT 2337*
ā	SPCH 1321	ARTS 1301	RBTC 1351	RBTC 1401	CETT 1449	ELPT 2455	HYDR 1345	RBTC 2445
DC College	^SPAN 1411	^SPAN 1412	CETT 1409	CETT 1441	CETT 1445	CETT 2435	RBTC 1447	ELMT 2337
Ü					ENGL 1301	^ENGL 1302	GOVT 2305	^ECON 2301
۵					MATH 1314	^MATH 2412		
Hrs.	Up to 7	Up to 7	Up to 7	Up to 8	Up to 14	Up to 15	Up to 10	Up to 10

Degree: AAS Robotics and Automation: 60+ hours

College Level Certification: Mechatronics Technician, Level 1 Certification: 30 hours

Industry Certification(s): OSHA 30-Hour General Certification

Students who complete Principles of Applied Engineering, AC/DC Electronics, Solid State Electronics, and Digital Electronics will have met requirements for the Renewable Energy Program of Study for a STEM endorsement if the math and science requirements are met. This is capped with a Practicum in STEM.

TSI compliance or TSI waiver will determine if the course is taken as a Dual Credit course for TSI placement courses. Juniors and seniors that are not TSI met will take AP courses in lieu of a dual credit course.

^{*}Required Dual Credit course to meet Associate Degree requirements

[^]Optional Dual Credit course

COURSE DESCRIPTIONS FOR T-STEM AT I.M. TERRELL ACADEMY

CAREER PREPARATION I AB (CAREERP1 AB)	CP01300AB
This course is a paid capstone experience for students who have found employment for the school year. Career Preparation I provides opportunities for students to participate in a work-based learning experience that ombines classroom instruction with paid business and industry employment experiences. It supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. Students are taught employability skills, which include job-specific skills pplicable to their training station, job interview techniques, communication skills, financial and budget activities,	12701300 Grade level: 11 - 12 HS Credit(s): 2
numan relations, and portfolio development. Career preparation is relevant and rigorous, supports student ttainment of academic standards, and effectively prepares students for college and career success. A student must be a minimum age of 16 and hold valid work documentation, such as a Social Security card, to enroll in any total learning experience course. In order to receive course credit, this course requires that students make a full rear commitment to this course and their employment, are scheduled for 1 (one) class period of instruction and are employed for ten hours per week (or average of 20 hours across two weeks) at an approved site within ten lays of the beginning of the course. Work hours can be included during the school day or outside of school rours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan.	
nstructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None Offered at: All high school campuses	College Hour(s): NA Tier III
CAREER PREPARATION II AB (CAREERP2 AB)	CP01400AB
The Career Preparation II course is for those students who are taking a Career Preparation course for the second	12701400
ime and continue or have new employment during the duration of the course; working <u>ten hours per week</u> (or verage of 20 hours across two weeks). This course provides the same opportunities and requirements as the Career Preparation I course.	Grade level: 12 HS Credit(s): 2
nstructional Material: Contact Career and Technical Education Department for related materials <u>Prerequisite(s)</u> : Career Preparation I AB Offered at: All high school campuses	College Hour(s): NA Tier III
CAREER PREPARATION I/EXTENDED I AB (EXCAREE1 AB)	CP01302AB
this course is a paid capstone experience for students who have found employment for the school year. Career dreparation I/Extended provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with paid business and industry employment experiences. It supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. Students are taught employability skills, which include job-specific skills pplicable to their training station, job interview techniques, communication skills, financial and budget activities, numan relations, and portfolio development. Career preparation is relevant and rigorous, supports student trainment of academic standards, and effectively prepares students for college and career success. A student must be a minimum age of 16 and hold valid work documentation, such as a Social Security card, to enroll in any raid learning experience course. In order to receive course credit, this course requires that students make a full lear commitment to this course and their employment, are scheduled for 1 (one) class period of instruction, and are employed for fifteen hours per week (or average of 30 hours across two weeks) at an approved site within ten lays of the beginning of the course. Work hours can be included during the school day or outside of school lours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan.	12701305 Grade level: 11-12 HS Credit(s): 3
nstructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): None	College Hour(s): NA Tier III
Dffered at: All high school campuses	
AREER PREPARATION II/EXTENDED (EXCAREE2 AB)	CP01402AB
he Career Preparation I/Extended course is for those students who are taking a Career Preparation course for ne second time and continue or have new employment during the duration of the course; working fifteen hours er week (or average of 30 hours across two weeks). This course provides the same opportunities and equirements as the Career Preparation I/Extended course.	12701405 Grade level: 12 HS Credit(s): 3
nstructional Material: Contact Career and Technical Education Department for related materials Prerequisite(s): Career Preparation I	College Hour(s): NA Tier III
Offered at: All high school campuses HONORS UNPAID PRACTICUM IN STEM/d AB (PRACSTEM AB/H)	STH37402AB
This practicum course is an unpaid capstone experience for students participating in a coherent sequence of areer and technical education courses within their designated program of study. This course is designed to give tudents supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. In addition, students in this among course will complete a project using the five phases of project management used in the business and industry environment. Practicum capstone experiences can occur in a variety of locations appropriate to the nature and level of experiences such as independent study, assistantships, mentorships, or laboratories. The	13037400 Grade level: 12 HS Credit(s): 2

ill complete additional projects and activities related to the program of study.	
<u>nstructional Material:</u> Contact Career and Technical Education Director for related materials P <u>rerequisite(s):</u> Two credits from a combination of STEM courses Offered only at: I.M. Terrell	College Hour(s): NA Tier II
HONORS PAID PRACTICUM IN STEM/EXTENDED AB (EXPRSTEM1 AB/H)	STH37405AB
This practicum course is a paid capstone experience for students participating in a coherent sequence of career and technical education courses within their designated program of study. This course is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. A student must be a minimum age of 16 and hold valid work documentation, such as a Social Security card, to enroll in any of the practicum learning experiences. In order to receive course credit, this course requires that students make a full year commitment to this course and their employment, must have related classroom instruction that averages one class period per week during the school year, are employed for fifteen (15) hours per week (or average of 30 hours across two weeks) at an approved site within ten days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. In addition to the regular course curriculum, students in the honors course will	13037405 Grade level: 12
complete additional projects and activities related to the program of study.	
<u>Instructional Material:</u> Contact Career and Technical Education Director for related materials <u>Prerequisite(s):</u> Two credits from a combination of STEM courses Offered only at: I.M. Terrell	HS Credit(s): 3 College Hour(s): NA Tier II
HONORS PAID PRACTICUM IN STEM AB (PRACSTEM AB/H)	STH37409AB
This practicum course is a paid capstone experience for students participating in a coherent sequence of career and technical education courses within their designated program of study. This course is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. A student must be a minimum age of 16 and hold valid work documentation, such as a Social Security card, to enroll in any of the practicum learning experiences. In order to receive course credit, this course requires that students make a full year commitment to this course and their employment, must have related classroom instruction that averages one class period per week during the school year, are employed for ten (10) hours per week (or average of 20 hours across two weeks) at an approved site within ten days of the beginning of the course. Work hours can be included during the school day or outside of school hours. If work hours are during the school day, students can be scheduled for work release (noncredit) periods to work as long as work release does not jeopardize students' projected graduation plan. In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13037400 Grade level: 12 HS Credit(s): 2
<u>Instructional Material:</u> Contact Career and Technical Education Director for related materials <u>Prerequisite(s):</u> Two credits from a combination of STEM courses Offered only at: I.M. Terrell	College Hour(s): NA Tier II
HONORS PRINCIPLES OF APPLIED ENGINEERING AB (PRAPPENG AB/H)	STH36202AB
Principles of Applied Engineering provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will understand the various fields of engineering and will be able to make informed career decisions. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments. In addition to the regular course curriculum, students in the honors course will complete additional projects and activities related to the program of study.	13036200 Grade level: 9
<u>Instructional Material:</u> Principles of Applied Engineering, Texas Edition Reid, et al. 2017, Pearson Education <u>Prerequisite(s):</u> None Offered only at: I.M. Terrell	HS Credit(s): 1 College Hour(s): NA Tier II
DUAL CREDIT ROBOTICS I AB (ROBOT 1AB DC) TCC Course: (RBTC 1351) Robotics Mechanisms_ *Courses may change due to availability	STD37002AB
In this course, students learn the application of principles and the calculation of practical problems involving four bar linkages, cams, gears, and gear trains. Topics include vector quantities, angular displacement, motion concepts, velocities, and motions.	13037000 Grade level: 10-12 HS Credit(s): 1
Instructional Material: Contact the Office of Innovation, Early College Programs Department for related materials Prerequisite(s): None	College Hour(s): 3 Tier I

B DC)	STD36802AB		
	13036800 Grade level: 10-12		
Circhhoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis echniques. Emphasis on circuit simulation using PSpice. Course includes soldering techniques, hand tools, circuit			
	HS Credit(s): 1		
	College Hour(s): 4		
nege Programs Department for related materials	Tier I		
	Herr		
FC A DC)	STD36902A		
	3123030EA		
oners			
atrollers (PLC). Topics include processor units	13036900		
	Grade level: 10-12		
ces, timers, counters, data mampalators, and	HS Credit(s): 0.5		
llege Programs Department for related materials	College Hour(s): 4		
nege i regrame 2 epartment lei relatea matemais	Tier I		
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EC B DC)	STD36902B		
- · · · - ,	= 		
orporated in circuits and their applications	13036900		
The state of the state of the deprications.	Grade level: 10-12		
llege Programs Department for related materials	HS Credit(s): 0.5		
nege i regrame 2 epartment lei relatea matemais	College Hour(s): 4		
athway	Tier I		
AB)	STD37443AB		
,			
tal systems. Emphasis on application and	13037600		
	Grade level: 10-12		
, , , , , , , , , , , , , , , , , , , ,	HS Credit(s): 1		
llege Programs Department for related materials	College Hour(s): 4		
	Tier I		
Offered only at: IM Torrell			
Offered only at: I.M. Terrell			
II AB (TBD: PROLGCNT2 AB DC)	TBD: STD03690AB		
II AB (TBD: PROLGCNT2 AB DC)	TBD: STD03690AB		
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II AB (TBD: PROLGCNT2 AB DC) I II Imable logic controllers and their applications and llege Programs Department for related materials Offered only at: I.M. Terrell OC) If pneumatics, components of each system, and	N1303690 Grade level: 10-12 HS Credit(s): 1 College Hour(s): 4 Tier I MAD03683AB N1303683 Grade level: 10-12		
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Other High School Electives & Late Arrival, Early Dismissal and Enrichment Codes

Additional electives can be found in the individual department sections.

See the Career & Technical Education (CTE) section for further information about CTE and Technology Applications elective courses that can be taken independently or as part of a Programs of Study pathway.

Other Electives - Local Credit Only

OFFICE ASSISTANT I AB (OFFASST1 AB)	2525 AB
Course offers students experiences in correct procedures for handling office situations. Provides opportunity for students to learn and practice skills and procedures necessary for greeting visitors,	NA
answering the telephone, business, ethics, and filing. This course does not provide any credits that	Grade level: 11 - 12
count toward graduation.	HS Credit(s): 0
Instructional Material: NA	College Hour(s): NA
<u>Prerequisites:</u> None	Tier III
Local credit only	
STUDENT ASSISTANT SERVICES I AB (STUASST1 AB)	2535 AB
Provides one period per day when students work as teacher assistants. This course does not provide	NA
any credits that count toward graduation.	Grade level: 11 - 12
Instructional Material: NA	HS Credit(s): 0
Prerequisites: None	College Hour(s): NA
Local credit only	Tier III
ON COLLEGE CAMPUS AB	0530 AB
For students who are on a college campus during the school day. This course does not provide any	NA
credits that count toward graduation.	Grade level: 10 - 12
Instructional Material: NA	HS Credit(s): 0
Prerequisites: None	College Hour(s): NA
Local credit only	Tier III

Late Arrival / Early Dismissal / Enrichment Codes

Completion of these courses **does not** earn state or local credit and they **are not** listed on the student's transcript.

Late Arrival Codes

0531A	Late Arrival 1A
0531B	Late Arrival 1B
0531AB	Late Arrival 1AB
0535A	Late Arrival 5A
0535B	Late Arrival 5B
0535AB	Late Arrival 5AB
0536A	Late Arrival 6A
0536B	Late Arrival 6B
0536AB	Late Arrival 6AB

Early Dismissal Codes

0534A	Early Dismissal 4A
0534B	Early Dismissal 4B
0534AB	Early Dismissal 4AB
05355A	Early Dismissal 5A
05355B	Early Dismissal 5B
05355AB	Early Dismissal 5AB
0557A	Early Dismissal 7A
0557B	Early Dismissal 7B
0557AB	Early Dismissal 7AB
0558A	Early Dismissal 8A
0558B	Early Dismissal 8B
0558AB	Early Dismissal 8AB
0559A	Early Dismissal 9A
0559B	Early Dismissal 9B
0599AB	Early Dismissal 9AB
0560A	Early Dismissal 10A
0560B	Early Dismissal 10B
0560AB	Early Dismissal 10AB

High School Enrichment Codes

0589A	HS Enrich A
0589B	HS Enrich B
0589AB	HS Enrich AB

Fort Worth Independent School District School Directory Dr. Angélica M. Ramsey, Superintendent 100 North University Drive, Fort Worth, Texas 76107 Phone (817) 814-2000

Grades Served	School Number	Secondary Schools	Address	Zip	Principal	Phone Number
6-8	055	Applied Learning Academy	3908 McCart Avenue	76110	Alice Buckley	(817) 815-5500
9-12	002	Arlington Heights	4501 West Freeway	76107	Sarah Weeks	(817) 815-1000
6-12	071	Benbrook Middle High	201 Overcrest Drive	76126	Richard Penland	(817) 815-7100
9-12	001	Carter-Riverside, Amon	3301 Yucca	76111	Victor Alfaro	(817) 814-9000
K-8	194	Daggett Montessori	801 West Jessamine	76110	Victorius Eugenio	(817) 814-6300
6-8	042	Daggett, E.M.	1108 Carlock	76110	Tracy Smith	(817) 814-5200
9-12	004	Diamond Hill-Jarvis	1411 Maydell	76106	Guadalupe Barreto	(817) 815-0000
9-12	005	Dunbar, Paul Laurence	5700 Ramey	76112	Justin Edwards	(817) 815-3000
9-12	006	Eastern Hills	5701 Shelton	76112	Lewis Washington	(817) 815-4000
6-8	044	Elder, J.P.	709 N.W. 21st	76164	David Trimble	(817) 814-4100
7-8	045	Forest Oak - LA	3221 Pecos	76119	Steven Moore	(817) 815-8200
6	064	Forest Oak 6th Grade LA	4801 Eastline	76119	Steven Moore	(817) 815-8400
9-12	087	I.M. Terrell Academy for STEM & VPA	1411 I.M. Terrell Circle	76107	Baldwin (Ricky) Brown	(817) 815-2100
6-9	062	International Newcomer Academy	3813 Valentine	76119	Angelia Ross	(817) 815-5600
6-8	059	Jacquet, J. Martin - LA	2501 Stalcup Road	76119	Channa Barrett	(817) 815-3500
6-8	070	Jean McClung	3000 Forest Avenue	76112	Tremayna Thomas	(817) 815-5300
6-8	049	Kirkpatrick, M.L.	3201 Refugio	76106	Jeffrey Bartolotta	(817) 814-4200
6-8	061	Leonard	8900 Chapin Road	76116	Knetra Shaw	(817) 815-6200
9-12	085	Marine Creek Collegiate	4801 Marine Creek Parkway	76179	Tom Fraire	(817) 515-7784
6	069	McLean 6th Grade Center	3201 South Hills	76109	Karen Brown	(817) 814-5700
7-8	050	McLean, W.P.	3816 Stadium	76109	Barbara Ozuna	(817) 814-5300
6-8	051	Meacham, W.A.	3600 Weber	76106	Carlos Mendoza	(817) 815-0200
6-8	052	Meadowbrook	2001 Ederville	76103	Tiffany Ross	(817) 815-4300
9-12	019	Metro Opportunity (HS)	2801 Patino Road	76107	Ben Leos	(817) 814-6712
6-8	053	Monnig, William	3136 Bigham	76116	Jason Oliver	(817) 815-1200
6-8	054	Morningside	2751 Mississippi	76104	Rhonda McGuire	(817) 815-8300
9-12	800	North Side	2211 McKinley	76164	Antonio Martinez	(817) 814-4000
9-12	010	Paschal, R.L.	3001 Forest Park	76110	Troy Langston	(817) 814-5000
9-12	009	Polytechnic	1300 Conner	76105	Nick Torrez	(817) 814-0000
6-8	056	Riverside	1600 Bolton	76111	Ryan Catala	(817) 814-9200
6-8	057	Rosemont	1501 West Seminary	76115	Xavier Sanchez	(817) 814-7200
9-12	003	South Hills	6101 McCart	76133	Rodrigo Durbin	(817) 814-7000
9-12	014	Southwest	4100 Alta Mesa	76133	John Engel	(817) 814-8000
6-8	058	Stripling, W.C.	2100 Clover Lane	76107	Amy Chritian	(817) 815-1300
9-12	021	Success	4100 Alta Mesa	76133	Ingrid Williams	(817) 815-2700
9-12	086	TCC South-FWISD Collegiate	5301 Campus Drive	76119	Quanda Collins	(817) 515-4402
9-12	011	Trimble Technical, Green B.	1003 West Cannon	76104	Jose Angel Lara	(817) 815-2500
9-12	082	TX Academy of Biomedical Sciences (TABS)	300 Trinity Campus Drive	76102	Jack Henson	(817) 515-1660
7-8	060	Wedgwood	3909 Wilkie Way	76133	Stanley Johnson	(817) 814-8200
6	043	Wedgwood 6th Grade Center	4212 Belden	76132	Cheryl Johnson	(817) 814-8300
9-12	015	Western Hills	3600 Boston	76116	Keri Flores	(817) 815-6000
6-8	048	William James	1101 Nashville	76105	Michelle Guerra	(817) 814-0200
9-12	084	World Languages Institute	4921 Benbrook Highway	76116	Marie-Lise Mosbeux	(817) 815-2200
9-12	016	Wyatt, O.D.	2400 East Seminary	76119	Armando Gallegos	(817) 815-8000
6-12	083	Young Men's Leadership Academy (YMLA)	5100 Willie	76102	Rodney White	(817) 815-3400
6-12	081	Young Women's Leadership Academy (YWLA)	401 East 8th Street	76102	Rediesha Allen	(817) 815-2400

HIGH SCHOOL COURSE CATALOG

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