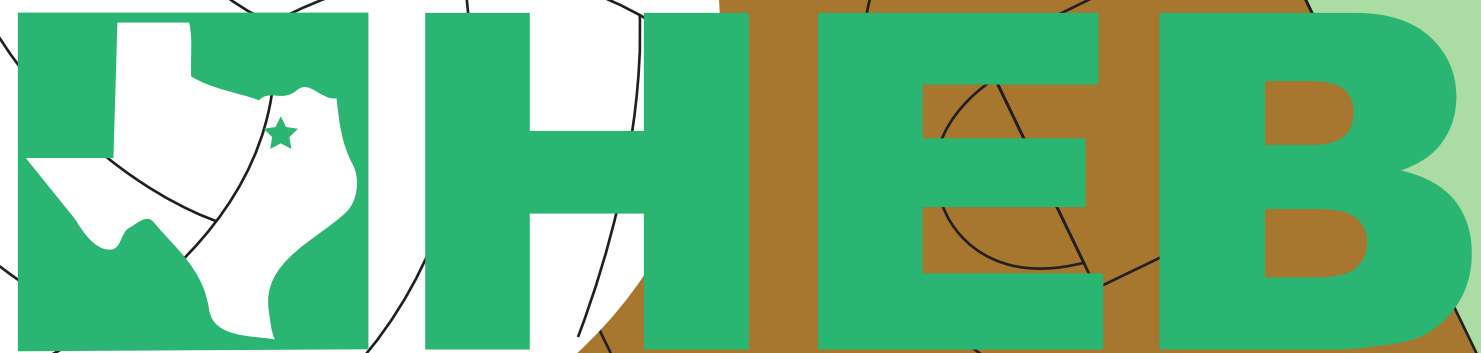




HURST - EULESS - BEDFORD

Independent School District

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Class of 2024

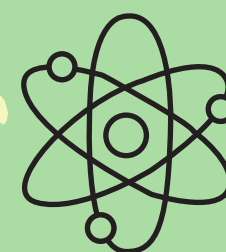


High School Academic Planning Guide

2022-2023

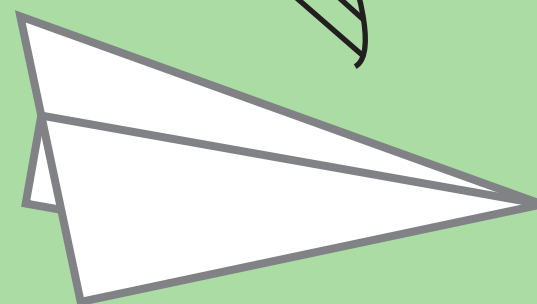
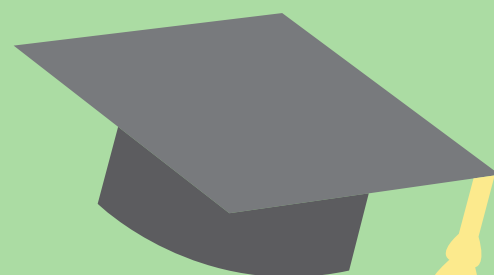


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Parents and Students:

To have a reasonable chance of being successful in the future, our students must have the support, encouragement, and active participation of their parents in their education. The Department of Counseling and Guidance has prepared this High School Academic Planning Guide to assist students and parents in making course selections that will meet each student's individual needs for the future as well as meet high school graduation requirements. It is very important that students and parents use the information in this booklet to select courses for next year so that both are fully aware of all available opportunities.

PLEASE MAKE COURSE SELECTIONS CAREFULLY. SINCE TEACHER ASSIGNMENTS ARE BASED ON STUDENT COURSE REQUESTS MADE IN THE SPRING, THE ADMINISTRATION CAN ONLY HONOR SCHEDULE CHANGE REQUESTS THAT MEET THE FOLLOWING CRITERIA:

- 1. COURSES NEEDED FOR GRADUATION**
- 2. PREREQUISITE FOR COURSE NOT MET**
- 3. COURSE CREDIT PREVIOUSLY RECEIVED**

The school reserves the right to cancel any course if there is insufficient enrollment to "make" the course or if certified staff is not available to teach the course. Please contact the counseling office if there are questions concerning courses, graduation requirement, scheduling, etc. Students are urged to discuss course selections with their parents PRIOR to completing the course selection materials. Even though counselors will inform, monitor, and advise students and parents regarding graduation plans and course requirements, it is ultimately the responsibility of the student and parent to select the courses that are required for the student's preferred graduation plan.

Sincerely,

A handwritten signature in black ink that reads "Steven A. Chapman". The signature is written in a cursive style with a large, flowing "S" and a long, sweeping underline.

Steven A. Chapman
Superintendent

1849 Central Drive, Bedford, Texas 76022-6096 817.283.4461 Metro 817.267.3311 FAX 817.354.3311

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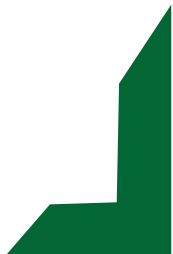


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DEFINITIONS

ADVANCED ACADEMICS COURSES

Advanced Academics courses (AdvAc) are designed to prepare students for success in both Advanced Placement® and International Baccalaureate® courses. AdvAc courses are more rigorous and thus carry more weight than their on-level counterparts carry. AdvAc courses fall in Tier 2 on the HEB ISD GPA/Grade scale. Advanced Placement® courses, offered in junior high and high school, and courses in the International Baccalaureate® Program, offered in 11th and 12th grade, earn Tier 3 credit on the HEB ISD GPA/Grade scale, since they culminate in national or international exams.

DISTRICT PHILOSOPHY FOR ADVANCED STUDENTS

Hurst-Euless-Bedford ISD is committed to providing comprehensive, balanced, and rigorous curricula combined with challenging assessments for advanced academics students. Students are encouraged to develop their individual talents and surpass their personal expectations. Strong emphasis is placed on critical thinking, lifelong learning, and a respect for a variety of cultures that contribute to the richness of life. The goal of HEBISD is to offer all students who exhibit ability, commitment, and responsibility an opportunity to participate in advanced academics courses.

PROCEDURES FOR ADMISSION INTO ADVANCED ACADEMICS COURSES

Criteria for admission include the following indicators that predict student success in an advanced academic course:

1. District required standard on state assessment
2. Grade of 85 in subject area for which student is applying
3. A score of 110 on a related aptitude test

WAIVER PROCESS

Students who do not meet all of the above criteria yet are interested in taking advanced classes must contact their counselor for information concerning the waiver process. At the entry level, it is better to offer all students who exhibit ability, commitment, and responsibility an opportunity to participate in advanced academic courses.

Note:

Students identified through the gifted/talented program are automatically eligible for admission to advanced academics courses without meeting additional criteria.

For admission to AP/IB Art III and IV, students must submit a portfolio for teacher approval. Prerequisite requirements as outlined in the junior high and high school academic planning guide, must be met prior to entry into an advanced academics course.

In order to continue in an advanced academics course, students must maintain an average of 74.

A grade of 73 or below at the end of the first six weeks will automatically put the student on probation.

At this time, the teacher must initiate a parent conference. If the student fails to earn the required 74 average at the end of the probationary period, his or her status will be reviewed, and placement in a regular level class will be considered.

Exiting from certain subjects, such as World Language, Math, and Science, could mean a loss of credit since a regular-level class might not be available.

STUDENTS FROM OTHER DISTRICTS

- At the time of registration, a student who can furnish proof that he/she has successfully completed an advanced academics course is automatically eligible to register for an advanced class in that subject area.
- For students requesting an advanced course for the first time, the counselor will review the student's records/performance.
- The student, counselor, and parent decide on an appropriate placement.
- Students enrolled in a gifted program in another district who wishes to be placed in the Hurst-Euless-Bedford ISD gifted and talented program must meet HEB GT identification criteria.

ADVANCED PLACEMENT COURSES – The College Entrance Examination Board Advanced Placement (AP) Program is a challenging plan for highly motivated and capable students. The AP courses follow college-level curricula and prepare students for AP examinations given in May. The AP program provides students with the opportunity to earn advanced placement, college credit, or both, at nearly 3000 universities and colleges across the country. The College Board establishes AP examination fees. The district will pay initial test registration fees for qualified students.

CAREER AND TECHNICAL EDUCATION (CTE) – Career and Technical Education are programs of study that guide students in a career pathway that provide relevant learning experiences through rigorous and experiential curriculum, leading to post-secondary education and career readiness.

CLASS RANKING – System of placing students in descending order according to their cumulative grade point averages. The Hurst-Euless-Bedford grade scale and grade point equivalent scale are used for all credit granting courses. Class ranks are assigned at each high school grade level at the end of each trimester and are used in the college admissions process.

COLLEGE ADMISSION TESTING PROGRAMS – Most colleges require that a specific test or tests be taken as a part of the admission process and requirement. Required scores are usually set in conjunction with class ranking. Admission tests commonly required and available at local testing sites are the following:

- 1) SAT Reasoning Test – The SAT Reasoning Test is a 3-hour test that contains questions assessing evidence-based reading and writing skills as well as mathematics. An additional, optional, 50-minute essay assesses reading, analysis, and writing skills. The optional essay is recommended, as it is up to each college to determine if the essay is required as part of the admission process. SAT Reasoning scores range from 200 to 800 on each section, with a total maximum score of 1600. The essay results are reported separately. Students are encouraged to take a preliminary Scholastic Aptitude Test called the PSAT/NMSQT. This test is available to freshman, sophomores, and juniors in October of each year. The results of the junior year PSAT automatically enter students in the National Merit Scholarship Qualifying competition. SAT information is available at www.collegeboard.org.
- 2) SAT Subject Tests – The SAT Subject Tests are available in a number of subject areas. Each Subject Test is one hour in length. Up to three Subject Tests may be taken on a single test date. Since only a few colleges require or recommend Subject Tests, it is very important to check college catalogs for specific requirements.
- 3) ACT Test – The ACT consists of tests in four areas: English, Mathematics, Reading, and Science Reasoning. A writing test is available as an optional component to the four subject area tests. Students are recommended to take the writing component, as most colleges will require it. ACT information is available at www.actstudent.org.
- 4) TSI Assessment-The TSIA (Texas Success Initiative Assessment) is a program designed to help colleges and universities in Texas determine if a student is ready for college-level course work in the general areas of reading, writing, and mathematics. Incoming college students in Texas are required to take the TSI Assessment, unless exempt, to determine college level readiness. Based on TSI performance, a student may be placed in a developmental course or intervention to improve skills and prepare for success in college course. The TSI has a Pre-Assessment activity component designed by the college or university and is mandatory. Students are not allowed to take the TSI until this activity has been completed.

It is possible for a student to earn an exemption from the TSI Assessment. Exemption criteria are listed below:

- a) ACT-Composite score of 23 with a minimum of 19 on the English and/or Mathematics test.
- b) SAT-A minimum score of 480 on the Evidenced-Based Reading and Writing (EBRW) test shall be exempt for both reading and writing sections of the TSI Assessment; a minimum score of 530 on the mathematics test shall be exempt for the mathematics section of the TSI Assessment. There is no combined score.

COLLEGE AND CAREER READY:

HEB ISD is focused on making sure students are College-and-Career Ready by the time they graduate from high school. Students are considered College-and-Career Ready if they meet at least one of the following criteria:

1. Complete a CTE Coherent sequence of courses (coherent sequence of 2 or more CTE courses for 3 or more credits in a CTE program of study that develops occupational knowledge, skills and competencies relating to that particular CTE program of study.)
2. Earns a nationally recognized industry certification
3. Performs at or above criterion score on one or more AP/IB exams (AP minimum score of 3; IB minimum score of 4)
4. Completes 12 hours or more of earned post-secondary (dual) credit
5. Achieves TSI benchmark standard:
 - ACT – Composite score of 23 or higher with at least a 19 on the English and math sections
 - SAT – A minimum score of 480 on the Evidenced-Based Reading and Writing (EBRW) test shall be exempt for both reading and writing sections of the TSI Assessment; a minimum score of 530 on the mathematics test shall be exempt for the mathematics section of the TSI Assessment. There is no combined score.
 - TSI – See counselor for information.
6. Enlists in the U.S. Armed Forces.

COLLEGE CREDIT – Two basic college credit opportunities are available for students: Concurrent Enrollment and Dual Credit.

CONCURRENT ENROLLMENT – A senior student is enrolled in high school and college at the same time. Senior students who have a grade point average of 2.8 or greater may take college courses. A senior who chooses to take a college course must also be enrolled in four academic courses on the high school campus. Colleges limit concurrent enrollment to not more than two courses at a time. Students are responsible for all tuition payments and fees charged by the college.

COURSE AUDIT - Scheduling and attending a class without accepting credit. Course audits are available to high school students in grades 10-12 according to the following criteria:

- Students may audit a class that does not offer Tier II or Tier III weighted grade points.
- Audits are limited to only extracurricular or elective classes
- CTE courses are not eligible for audit.
- Only students whose cumulative grade point average exceeds 4.0 at the beginning of the school year are eligible to audit courses since even a grade of 100 in a non-weighted course would lower their grade point average. Student must still be earning a minimum of two credits after the audit is processed.
- The audited course must be in excess of the minimum number of courses for that student's academic classification.
- Sophomore students must also have a minimum of eight credits at the beginning of the 10th grade year in order to be eligible to audit a course during 10th grade.
- The audit must be requested through the counselor.
- The student must comply with all academic and behavioral requirements of the teacher.
- A class required for a particular graduation plan or to waive a P.E. credit does not qualify.

- A class audit carries no credit, semester/trimester grade, or grade points: however, six weeks' grades will be reported for appraisal and U.I.L. purposes.
- The student's transcript will reflect that the course was audited.

COURSE DUPLICATION – Occurs when credit has been earned in a course and is repeated. Since graduation credit cannot be earned in the same course twice, additional credit cannot be awarded. However, the GPA includes the grade and credit.

CREDIT – A unit value given to each high school class taken and passed. Credits are awarded at the end of each semester or trimester except when taken prior to ninth grade in which case they will be awarded after completion of the 8th grade. The credit value is shown for each course described. *(A local credit is credit earned in a course that is not approved by the Texas Education agency. When local credit is earned in a course, the credit must be in addition to the total number of credits the state requires.)*

CREDIT BY EXAMINATION WITH PRIOR INSTRUCTION – Students who have had prior instruction in a course but did not earn credit may qualify to purchase and take an examination in an attempt to regain the credit. A student who has excessive absences shall not be permitted to regain credit through credit by examination. The passing standard is 70. Consult the counselor for specific details.

CREDIT BY EXAMINATION WITHOUT PRIOR INSTRUCTION - (Examination for Acceleration) - The opportunity for students to TEST OUT of a course without prior formal instruction in the course: To earn credit, the student must make a score of 80 or above. Applications must be completed and turned in with the necessary signatures by the published deadline. Additional testing for certain one-trimester/semester courses may be offered at other times during the year. Applications and further details are available in the counseling department or the assessment department. STAAR EOC tested courses are not available for CBE without prior instruction.

CREDIT FOR OFF CAMPUS ENRICHMENT PROGRAMS: HEB ISD does not award credit for any student enrichment program sponsored by an outside entity. Course credit is awarded based on school board policy.

DUAL CREDIT – A student takes a college course that also counts as high school credit. Example: A student who earns college credit in U.S. Government can use that credit to satisfy the U.S. Government required for high school graduation. A student interested in this plan must see his/her high school counselor for a list of courses and guidelines. Official grades must be reported to the high school upon completion of the course. **Grades are included in the student's GPA.** It is possible that a college course may be offered on the high school campus. Students are responsible for all tuition payments and fees charged by the college.

DUAL CREDIT GUIDELINES FOR HURST-EULESS-BEDFORD SECONDARY SCHOOLS

Subject area coordinators will determine approval for dual credit courses based on syllabi and/or course descriptions provided by the college campus. To enroll in a dual credit course taught on the HEB high school campus, a student must meet the admission requirements of the college and meet the following local grade requirement:

1. Minimum cumulative GPA of 2.8 at time of enrollment AND
2. Previous course/department subject average of 80. (Example – a student with a GPA of 2.8 or higher but who has grades in the 70's in 9th – 11th grade English classes would not be eligible.)
3. If number 1 and number 2 are not met, the student may seek approval from the counselor or administrator.
4. The student must register for the dual or concurrent courses at the college.
5. For classes taken off campus, the student must present proof of college enrollment that includes the specific course taken for dual or concurrent credit, which will be verified by the college registrar.
6. The student must meet the readiness standard for college academics determined by the institution.
7. During any trimester a student must be enrolled in a minimum of four classes. Enrollment in one or two dual credit courses may be included in the required four classes.
8. The college instructor will provide official numerical grades for on-campus courses.
9. Grades earned in dual credit on-campus courses will affect eligibility for extracurricular activities.
10. GPA is to be calculated based on the appropriate HEB grade point scale, based upon the year the student entered 9th grade. See page 12 for details.
11. When the course is taken off campus, or virtually, the student must provide an official college transcript to the high school for credit to be granted.
12. For dual credit courses taken off campus, students must receive a grade of “C” or higher on their college transcript to receive high school credit for the course.
13. A minimum final course grade of “C” must be earned in each course taken at TCC to continue eligibility to enroll concurrently, or to continue taking dual credit courses within the same content area.

***On-Campus courses** are those taken on the high school campus.

***Off-Campus courses** are those taken on the college campus

EARLY GRADUATION – If a student has met credit and testing requirements before the end of the third trimester of their senior year, they may be eligible to graduate early. The student must contact the counselor to begin the process.

ELECTIVE – A course that a student elects or chooses to take although the course is not specifically required.

ENDORSEMENT – Prior to entering 9th grade, students are required to declare a chosen program of study, or endorsement, which will help in guiding course elective choices throughout high school. Students may earn a single endorsement, or multiple endorsements in the areas of: Arts and Humanities, Business and Industry, Multidisciplinary Studies, Public Service, or STEM (Science, Technology, Engineering, & Math.) Students wishing to change their declared endorsement must follow the HEB process and should see their assigned counselor. Students may not change their endorsement choice until after the 10th grade year.

FOREIGN TRANSCRIPTS - – Beginning with the Class of 2025, any credit earned outside the United States will be entered as a Pass or Fail.

FOUNDATION GRADUATION PROGRAM – 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. Endorsements earned by a student will be noted on the student’s transcript. The foundation graduation program also involves the term “distinguished level of achievement,” which reflects the completion of at least one endorsement and Algebra II as one of the required advanced mathematics credits. A **Personal Graduation Plan** will be completed for each high school student.

State law and rules prohibit a student from graduating solely under the foundation graduation program without an endorsement unless, after the student’s sophomore year, the student and student’s parent are advised of the specific benefits of graduating with an endorsement and submit written permission to the school counselor for the student to graduate without an endorsement. A student who anticipated graduating under the foundation graduation program without an endorsement and who wishes to attend a four-year university or college after graduation must carefully consider whether this will satisfy the admission requirements of the student’s desired college or university.

Graduating under the foundation graduation program will also provide opportunities to earn “performance acknowledgments” that will be acknowledged on a student’s transcript. Performance acknowledgments are available for outstanding performance in bilingualism and biliteracy, in a dual credit course, on an AP or IB examination, on certain national college preparatory and readiness or college entrance examinations, or for earning a state recognized or nationally or internationally recognized license or certificate. The criteria for earning these performance acknowledgments are prescribed by state rules, and the school counselor can provide more information about these acknowledgments.

A student is not required to complete an Algebra II course to graduate under the foundation program, and the district will annually notify a student’s parent of this fact. However, the student and parent should be aware that not taking Algebra II will make a student ineligible for automatic admission to four-year public universities and college in Texas and for certain financial aid and grants while attending those institutions.

FULL TIME STUDENT - All high school students must be considered full-time students. To be a full-time student, a student must be enrolled in a minimum of two credits per trimester.

GIFTED AND TALENTED PROGRAM – The HEB ISD selection process to identify a student as gifted and talented consist of nomination for the program from a teacher, parent, administrator, or the student. Identification is based on a student portfolio with a written defense of a best piece, ability and aptitude test score, and checklists for teachers, parents, and the student. A committee trained in gifted education makes decisions on identification. Specific information on identification, exit and furlough procedures is available in the counselors’ office or in the office of the Advanced Academics Coordinator at the HEB Administration Office. Secondary students who are identified as gifted and talented are served through AdvAc and AP/IB English I and II, GT/AP/IB English III and IV, and International Baccalaureate. Students identified as GT do not have to meet any additional criteria for AP courses, but they do have to meet the prerequisite requirements. Gifted and talented students must submit an application if they want to be considered for selection into the International Baccalaureate program.

GRADE LEVEL CLASSIFICATION – Student grade level classification for grades 9-12 is initially based upon the number of credits the student has earned prior to enrollment in HEB ISD.

Freshman: 0-5 credits

Sophomore: 6 -11 credits

Junior: 12-18 credits

Senior: 19 or more credits

Students will automatically be promoted to the next grade level, regardless of the total number of credits earned, once a student has met the freshman credit requirements for HEB ISD. Campus and grade placement of students new to HEB ISD will be considered on a case-by-case basis.

GRADUATION PLAN – The default graduation plan for all HEB students who enter 9th grade in 2014- 2015 or after is the Distinguished Level of Achievement Plan (DLA), which requires 26 credits (4 credits each in English, Mathematics, Science, and Social Studies, 2 credits in World Languages, 1 credit each in Visual/Performing Arts and PE, ½ each in Speech and Health, 1 credit of Technology, and 4 credits of electives leading to an endorsement.) Students may choose to opt out of the DLA plan to graduate, but are not allowed to do so until after the 10th grade year unless the student has an ARD committee that makes that determination. Students wishing to opt out of the DLA should see their guidance counselor.

HOMELESS STUDENTS – If an 11th or 12th grade student who is homeless or in the conservatorship of the Department of Family and Protective Services transfers to a different school district from which the student transferred shall award a diploma at the student’s request, if the student meets the graduation requirement of the district from which the student transferred. A “student who is homeless” has the meaning assigned to the term “homeless children and youths” under 42 U.S.C. Section 11434a. (7376)

INTERNATIONAL BACCALAUREATE – The International Baccalaureate program is a comprehensive, rigorous curriculum developed and recognized internationally for highly motivated students in grades 11 and 12. Courses leading to the International Baccalaureate Diploma will be offered to interested students in ninth and tenth grades. Students apply for the IB program in their sophomore year. Students enrolled as IB diploma candidates must take exams in six subject areas and satisfactorily complete the core of the IB Curriculum, which includes CAS (Creativity, Activity, and Service hours); theory of knowledge essay and presentation; and research requirements culminating in a 4,000-word extended essay. Successful completion of the IB course work and examinations at the junior/senior level may earn students an International Baccalaureate diploma as well as credit or advanced placement at colleges and universities around the world. Current Texas law requires that every International Baccalaureate diploma holder whose IB test scores are 4 and above will be granted a minimum of 24 college hours at public colleges in Texas. The International Baccalaureate educational experience will provide students with the intellectual, social, critical, and global perspective for success in post-secondary education and beyond. Additional information about the IB program is available on the HEB website and the IBO website; or contact the IB Coordinators at the high school campus.

LANGUAGES OTHER THAN ENGLISH – Students are required to earn two credits in the same language other than English to graduate. Any student may substitute computer-programming languages for these credits.

A student may satisfy one of the two required credits by successfully completing in elementary school a dual language immersion program or a course in American Sign Language.

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.

PERFORMANCE ACKNOWLEDGMENT – For students who begin 9th grade in 2014-2015 and thereafter, a student may earn a performance acknowledgement on the final transcript. Performance Acknowledgment may include:

- Outstanding performance (as determined by the Texas Education Agency)
 - in a dual credit course
 - in bilingualism and biliteracy
 - on an AP test or IB exam
 - on the PSAT, the ASPIRE, the SAT, or the ACT
- Earning a nationally or internationally recognized business or industry certification or license.

PREREQUISITE – A requirement that must be met in order to qualify to take a specific course. Prerequisites are listed for each course described.

SEMESTER – This is an 18-week segment of the 9-month school year. Two semesters make up the school year with credits being earned at the end of each semester. The HEB ISD junior high schools are on a semester schedule.

STAAR - (State of Texas Assessments of Academic Readiness) Students will be required to take the STAAR (End of Course) assessments as part of their graduation requirement. Students will be required to take EOC assessments in English I, English II, Algebra I, Biology, and US History.

SUBSTITUTE ASSESSMENT FOR STAAR END OF COURSE (EOC) – Qualifying scores on the SAT, ACT, IB, AP, or TSI exams can substitute for certain STAAR End of Course Exams. The student must initiate the request to use a TEA approved Substitute Assessment for the STAAR EOC. The student should see the guidance counselor for a complete list of approved courses and substitute assessment score requirements. To be eligible to use a substitute assessment:

- The student must have already been enrolled and completed instruction in both halves of the course requested.
- The student must take each EOC at least once to satisfy federal accountability requirements for HEB ISD.
- The student must attach a copy of the substitute assessment scores to the STAAR EOC Substitute Assessment Request form.
- The student must complete and submit a STAAR EOC Substitute Assessment Request form (available from counseling department) to their assigned counselor. The assigned counselor will submit the documentation to the campus test coordinator for verification and data entry.

SUMMER SCHOOL – Information will be available on campuses after May 1. All summer school enrollments must begin on the home campus with approval given by the student’s counselor.

TEXAS GRANT PROGRAM – The “Toward Excellence, Access, & Success (TEXAS)” Grant Program establishes grants to cover tuition and fees to Texas universities and community colleges for students who are Texas residents, have successfully completed the recommended or distinguished achievement high school graduation program in a Texas public or accredited private school, have financial need and have not been convicted for crime involving a controlled substance. The grant also requires enrollment within 16 months of high school graduation at a Texas university or college or enrollment in a higher degree program at a Texas University or college within 12 months of receiving an associate’s degree. Because state funding for students is limited, many students who meet the eligibility requirements may not be able to receive awards. Complete eligibility rules may be obtained from the counseling office or the college/university financial aid office.

TEXAS VIRTUAL SCHOOL NETWORK - The Texas Virtual School Network (TxVSN) provides online high school courses to students in public school districts and serves a clearinghouse of rigorous online courses offered by approved providers. All courses have been approved by the Texas Education Agency and meet the state’s high standards for teaching and learning.

Online instruction and content are delivered primarily over the Internet, and students have opportunities for collaboration, group work, and personalized learning. Students have flexibility in determining the pace at which they learn and the place where they work. Students do not have to be physically present on campus to work on their course. Online courses include frequent and ongoing interaction with the online teacher.

Students may have options to take courses as part of the school day or outside the school day to supplement their regular instructional program. Fees vary by the course (\$200 - \$400 per .5 credit) and the providing district. The providing district sets the calendar for TxVSN classes and students must follow the schedule and guidelines set in each course.

Except as provided below, the District may not deny the request of a parent of a full-time student to enroll the student in an online course offered through the TxVSN.

The District may deny a request to enroll a student in an online course if:

1. A student attempts to enroll in a course load that is inconsistent with the student's high school graduation plan or requirements for college admission or earning an industry certification;
2. The student requests permission to enroll in an online course at a time that is not consistent with the enrollment period by the district providing the course; or
3. The District offers a substantially similar course. Substantially similar is defined as the same course offered on any HEB ISD campus. For world languages, substantially similar is defined as any world language course offered on campus. For example, if a student requests Russian, the request may be denied because other world language courses are offered: ASL, French, German, Chinese, Hindi, Arabic, and Spanish.

For qualifying and approved courses, the District may decline to pay the cost for a student of more than three yearlong online courses, or the equivalent, during any school year. If the District declines to pay the cost, a student is able to enroll in additional online courses at the student's expense.

The District may charge the course cost for a TxVSN course to a student who:

1. Is enrolled in the District as a full-time student with a course load greater than that normally taken by students in the equivalent grade level;
2. Elects to enroll in a TxVSN course for which the District in which the student is enrolled as a full-time student declines to pay the cost as authorized by Education Code 26.0031(c-1); or
3. Elects to enroll in a TxVSN course during the summer.

The determination of whether or not an online course will meet the needs of a student with a disability shall be made by the student's admission, review, and dismissal (ARD) committee in a manner consistent with state and federal law, including the Individuals with Disabilities Education Act, 20 U.S.C. 1400 et seq., and Section 504 of the Rehabilitation Act of 1973, 29 U.S.C. Section 794. *Education Code 30A.007(b)*

The district TxVSN Site Coordinator is the HEB ISD Coordinator; Counseling, Guidance, and Student Services. The district TxVSN Site Coordinator processes TxVSN registrations upon counselor and district approval. Information about TxVSN courses is located <http://txvsn.org>. Reference policy EHDE (LEGAL) and EHDE (LOCAL).

TOP TEN % RULE – For two school years following his or 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 (a student must graduate with at least one endorsement and must have taken Algebra II as one of the four required math courses); or
- Satisfies the ACT College Readiness Benchmarks or earns at least a 1500 out of 2400 on the SAT.

In addition, the student must submit a completed application for admission in accordance with the deadline established by the college or university. The student is ultimately responsible for ensuring that he or she meets the admission requirements of the university or college to which the student submits an application.

The University of Texas at Austin, because of Senate Bill 175, may limit the number of students automatically admitted to 75 percent of the University's enrollment capacity for incoming resident freshmen. For students who are eligible to enroll in the University during the summer or fall 2022 or 2023 term, the University will be admitting the top six percent of the high schools graduating class who meet the above requirements. The University through a holistic review process will consider additional applicants.

Should a college or university adopt an admissions policy that automatically accepts the top 25 percent of a graduating class, the provisions above will also apply to a student ranked in the top 25 percent of his or her class.

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

TRIMESTER – This is a 12-week segment of the 9-month school year. Three trimesters make up the school year with credits being granted at the end of each trimester. Class periods are longer resulting in fewer classes being taken at a given time. A one-credit course such as biology will be scheduled in only two of the three trimesters. The HEB ISD high schools follow a trimester plan with five periods in a school day.

WEIGHTED GPA – A grade point scale that assigns more points to grades earned in certain classes.

GRADE SCALE AND GRADE POINT EQUIVALENTS FOR STUDENTS BEGINNING 9TH GRADE IN 2016-2017 AND AFTER

Courses designated as AdvAc, Dual Credit, and certain selected and approved CTE courses will fall on the Tier II scale. In most cases, courses that culminate in a national or international exam, i.e. Advanced Placement, International Baccalaureate, and other District determined courses will fall on the Tier III scale. All other courses will fall under the Tier I scale.

<u>NUMBER GRADE</u>	<u>TIER III</u>	<u>TIER II</u>	<u>TIER I</u>
98-100	6.000	5.000	4.000
93-97	5.666	4.666	3.666
90-92	5.333	4.333	3.333
87-89	5.000	4.000	3.000
83-86	4.666	3.666	2.666
80-82	4.333	3.333	2.333
77-79	4.000	3.000	2.000
73-76	3.666	2.666	1.666
70-72	3.333	2.333	1.333
Below 70	0	0	0

SECONDARY GRADE BOOK TEMPLATES

Department	Course Type*	Category A (Major Grades)	Minimum Assignments	Category B (Minor Grades)	Minimum Assignments
Fine Arts	All	60%	2	40%	6
Language Arts	On Level	50%	2	50%	8
	Advanced	60%	3	40%	8
Math	On Level	50%	2	50%	8
	Advanced	60%	2	40%	8
Science	On Level	50%	2	50%	8
	Advanced	60%	2	40%	8
Social Studies	On Level	50%	3	50%	8
	Advanced	60%	3	40%	8
CTE	On Level	50%	2	50%	6
	Advanced	60%	2	40%	6
World Language	On Level^	50%	2	50%	8
	Advanced	60%	2	40%	8
PE/Athletics	All	80%	1	20%	6
Health	All	50%	2	50%	10

* **Advanced Courses** include Honors, AdvAc, AP, and IB.

^All Level 1 world language courses are classified as On Level, even if taken in 7th or 8th grade.

HIGH SCHOOL GUIDELINES FOR SCHEDULE CHANGES, DROPPING A CLASS, OR LEVEL CHANGES

Guidelines for Schedule Changes

Schedule changes after the beginning of a trimester are generally only granted if one of the following criteria exists:

- 1) If the course is needed for graduation
- 2) The prerequisite for the course has not been met
- 3) Course credit has previously been earned.
- 4) Schedule change requests will be considered the first 5 days of each trimester/semester.

Guidelines for Dropping a Class

Under certain circumstances, a student might be allowed to drop a class from his/her schedule during the first two weeks of a trimester. The following guidelines should be followed:

- 1) A course may only be dropped during the first two weeks of a trimester with the approval of the student, the parent, the counselor and the principal or their designee. The student's credit status should be evaluated carefully before approval is given.
- 2) Student must be scheduled in two credits per trimester.
- 3) If a non-weighted class of the same subject is not available after the two-week drop deadline, the student will be required to complete the current weighted class.
- 4) Signed parent permission must be received before a class is dropped.

Guidelines for Level Changes Grade 9

A student may be granted a level change from a Tier 2 or Tier 3 course to a lower level equivalent course at student/parent request during the first six weeks of the semester.

- 1) The student must talk with the teacher and counselor before securing the level change from the counselor. The parent and teacher must make direct contact before any changes are made.
- 2) The student must complete the level change form and secure the written approval of his parent, counselor, teacher and appropriate school personnel before returning the form to his counselor.
- 3) The student will transfer the current grade average to the new class.
- 4) Exiting from certain subjects, such as foreign language, math, and science could mean a loss of credit since a regular-level class might not be available.

Guidelines for Level Changes Grade 10-12

A student may be granted a level change from a weighted, Tier 2 or Tier 3 course to a lower-level equivalent course during the first four weeks of the 1st marking period of the trimester. Processing of level changes will resume the first three school days of the trimester's 2nd marking period. The following guidelines should be followed:

- 1) The student must talk with the teacher and counselor before securing the level change from the counselor. The parent and teacher must make direct contact before any changes are made.
- 2) The student must follow the campus process.
- 3) The student will transfer the current grade average to the new class.
- 4) Beginning the fourth day of the second marking period, the student must complete the trimester in the weighted course.
- 5) Exiting from certain subjects, such as foreign language, math, and science could mean a loss of credit since a regular-level class might not be available

Graduation Requirements for Students Beginning 9th grade in 2014-2015 or After

The Default Plan for HEB students is the Distinguished Level of Achievement Plan, which includes one endorsement choice. Multiple endorsements are possible.

ENGLISH LANGUAGE ARTS

Four credits:

- *English I
- *English II
- English III
- English IV

MATHEMATICS

Four credits:

- *Algebra I
- Geometry

OR
 Algebraic Reasoning followed by Algebra II
 OR
 Algebra II followed by a 4th math credit

SCIENCE

Four credits:

- *Biology
- Advanced Science Courses
- (3 credits-must include IPC, Chemistry or Physics)

SOCIAL STUDIES

Four credits:

- World Geography
- World History
- *U.S. History
- U.S. Government (one-half credit)
- Economics (one-half credit)

PHYSICAL EDUCATION

One credit

LANGUAGES OTHER THAN ENGLISH

Two credits in the same language

FINE ARTS

One credit

SPEECH

One-half credit - must be Professional Communications, Debate, or Communication Applications

HEALTH

One half-credit

TECHNOLOGY

One Credit

ELECTIVES FOR ONE ENDORSEMENT

Four credits

TOTAL CREDITS: 26

ENDORSEMENT CHOICES

STEM

- | | |
|-------------|------------|
| Science | Technology |
| Engineering | Math |

BUSINESS AND INDUSTRY

- Architecture & Construction
- Arts, AV Technology, & Communications
- Business, Marketing & Finance
- Hospitality & Tourism
- Information Technology
- Manufacturing
- Transportation, Distribution & Logistics

PUBLIC SERVICES

- | | |
|----------------------|----------------------|
| Education & Training | Health Science |
| Human Services | Law & Public Service |

ARTS AND HUMANITIES

- | | |
|----------------|-----------------|
| Art | Dance |
| Music | Theater |
| Social Studies | World Languages |

MULTIDISCIPLINARY STUDIES

Allows a student to complete prescribed courses from:

- Each of the four foundation subject areas
- Advanced Placement / International Baccalaureate courses from each of the four foundation subject areas
- 4 advanced courses from within one endorsement area or among endorsement areas not in a coherent sequence

Beginning with the graduating class of 2022, all students must successfully complete and submit one of the following forms:

- FAFSA (Free Application for Federal Student Aid)
- TAFSA (Texas Application for State Aid)
- Texas Education Agency's Opt-Out form

Students will need to submit the form during the fall of their senior year in order to graduate from high school.

It is the responsibility of each college-bound student to research admission requirements, as each college's requirements may differ.



*Course has a STAAR EOC. The required passing standard must be met for each EOC in order for a student to receive a high school diploma.

PERFORMANCE ACKNOWLEDGMENT

A student may earn performance acknowledgments on their high school transcript for outstanding performance:

- | | |
|---|-----------------------------------|
| • In a dual credit course | • In bilingualism and biliteracy |
| • On an AP or IB exam | • On the PSAT, ASPIRE, SAT or ACT |
| • For earning a nationally or internationally recognized industry certification | |

GRADUATION PLAN

Use the list of high school graduation requirements in your planning process.

GRADE 9		
FALL SEMESTER	SPRING SEMESTER	
English IA _____	English IB _____	_____
Math: _____	Math: _____	_____
Science: _____	Science: _____	_____
W. Geography A _____	W. Geography B _____	_____
_____	_____	_____
_____	_____	_____
_____	TOTAL CREDITS FOR YEAR _____	

GRADE 10	GRADE 11	GRADE 12
COURSES	COURSES	COURSES
1. English IIA	1. English IIIA	1. English IVA
2. English IIB	2. English IIIB	2. English IVB
3. Math:	3. Math:	3. Math:
4. Math:	4. Math:	4. Math:
5. Science:	5. Science:	5. Science:
6. Science:	6. Science:	6. Science:
7. W. History A	7. U. S. History A	7. U. S. Government
8. W. History B	8. U. S. History B	8. Economics
9.	9.	9.
10.	10.	10.
11.	11.	11.
12.	12.	12.
13.	13.	13.
14.	14.	14.
15.	15.	15.
TOTAL CREDITS FOR YEAR _____	TOTAL CREDITS FOR YEAR _____	TOTAL CREDITS FOR YEAR _____
CUMULATIVE TOTAL _____	CUMULATIVE TOTAL _____	CUMULATIVE TOTAL _____

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 distinguished level of achievement to be eligible for top 10% automatic admission to a Texas Public University. (Some are allowed stricter automatic entry standards.)

Health Credit Options

A student may earn the required Health credit/waiver by completing **two** semesters or trimesters of the following courses:

- Child Development
- Cosmetology I
- Counseling and Mental Health
- Health (1 trimester only)
- Human Growth & Development
- Principles of Health Science
- Principles of Human Services

Technology Credit Options

A student may earn the required Technology credit by completing **two** semesters or trimesters of one of the following courses:

- | | |
|---|--|
| • Architectural Design I | • AdvAc Computer Science I |
| • Animation I | • AP Computer Science Principles |
| • Audio/Video Production I | • Newspaper II |
| • Business Information Management I | • Principles of Applied Engineering |
| • Computer Maintenance | • Principles of Information Technology |
| • Computer Science I | • Robotics I |
| • Digital Media | • Honors Robotics I |
| • Engineering Design and Presentation I | • Video Game Design |
| • Graphic Design & Illustration I | • Web Design |
| | • Yearbook II |

Arts & Humanities Endorsement

A student may earn an Arts & Humanities endorsement by completing the general graduation credit requirements and completing at least **one** of the following:

- A. A total of 5 social studies credits in a coherent sequence
- B. 4 credits of the same language in a language other than English
- C. 2 credits of the same language in a language other than English and 2 levels of a different language in a language other than English
- D. A coherent sequence of 4 credits by selecting courses from 1 or 2 disciplines from Art, Dance, Music, or Theatre
- E. 4 English elective credits by selecting from the following:
 - English IV
 - Creative Writing
 - IB English IV
 - Independent Study in English
 - AP English Literature & Composition (AP English IV)
 - IB Research and Technical Writing

Multidisciplinary Endorsement

A student may earn a Multidisciplinary Studies endorsement by completing the general graduation credit requirements and completing at least **one** of the following:

- A. 4 credits of advanced CTE or core academic courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within 1 endorsement area or among endorsement areas that are not in a coherent sequence.
- B. 4 credits in each of the 4 foundation subject areas to include English IV and Chemistry and/or Physics.
- C. 4 credits in AP, IB, or dual credit selected from English, Math, Science, Social Studies, Economics, World Languages, or Fine Arts.

Business and Industry Endorsement

A student may earn a Business & Industry endorsement by completing the general graduation credit requirements with 5 elective credits (one of which must be Technology) from one of the following:

- A. A coherent sequence of courses for 5 or more credits in CTE that consists of at least 2 courses in the same career cluster including at least one advanced CTE course.



Architecture &
Construction

Professional Communication (Required)
Technology (Required)
Business English
Dollars and Sense
Architectural Design I
Architectural Design II (Advanced)
Interior Design I
Interior Design II (Advanced)
Practicum in Architectural Design (Advanced)
Extended Practicum in Arch Design (Advanced)
Engineering Science



Arts, A/V
Technology &
Communications

Professional Communication (Required)
Technology (Required)
Business English
Dollars and Sense
Animation I
Animation II/Lab (Advanced)
Practicum in Animation (Advanced)
Extended Practicum in Animation (Advanced)
Video Game Design
Video Game Programming (Advanced)
Advanced Video Game Programming (Advanced)
Graphic Design & Illustration I
Graphic Design & Illustration II/Lab (Advanced)
Practicum in Graphic Design & Illustration (Advanced)
Ext Practicum in Graphic Design & Illustration (Adv)
Audio/Video Production I
Audio/Video Production II/Lab (Advanced)
Practicum in Audio/Video Production (Advanced)
Extended Practicum in Audio/Video Production (Adv)
Commercial Photography I
Commercial Photography II (Advanced)
Practicum in Commercial Photography (Advanced)
Extended Practicum in Commercial Photography (Adv)



Business,
Marketing &
Finance

Professional Communication (Required)
Technology (Required)
Business English
Dollars and Sense
Touch System Data Entry
Principles of Business, Marketing & Finance
Global Business
Virtual Business
Accounting I
Accounting II (Advanced)
Business Information Management I
Business Information Management II (Advanced)
Advertising
Entrepreneurship
Sports & Entertainment Marketing
Social Media Marketing
Practicum in Marketing (Advanced)
Extended Practicum in Marketing (Advanced)



Hospitality
& Tourism

Professional Communication (Required)
Technology (Required)
Business English
Touch System Data Entry
Dollars and Sense
Lifetime Nutrition & Wellness
Introduction to Culinary Arts
Culinary Arts (Advanced)
Practicum in Culinary Arts (Advanced)
Extended Practicum in Culinary Arts (Advanced)

Business and Industry Endorsement cont'd.



Information
Technology

Professional Communication (Required)
Technology (Required)
Touch Systems Data Entry
Business English
Dollars and Sense
Digital Media
Web Design
Principles of Information Technology
Foundations of Cybersecurity(Advanced)
Computer Science I
Computer Science II (Advanced)
Networking
Computer Maintenance
Computer Technician Practicum (Advanced)
Practicum in Information Technology (Advanced)
Ext Practicum in Information Technology (Advanced)
Engineering Science



Manufacturing

Professional Communication (Required)
Technology (Required)
Business English
Dollars and Sense
Robotics I
Robotics II (Advanced)
Honors Robotics I
Honors Robotics II (Advanced)
Practicum in Manufacturing (Advanced)
Extended Practicum in Manufacturing (Advanced)
Honors Practicum in Manufacturing (Advanced)
Honors Extended Practicum in Manufacturing (Adv)



Transportation,
Distribution
& Logistics

Professional Communication (Required)
Technology (Required)
Business English
Dollars and Sense
Automotive Basics
Auto Tech I: Maintenance & Light Repair (Advanced)
Auto Tech II: Auto Service (Advanced)
Practicum in Transportation Systems (Advanced)
Extended Practicum in Transportation Systems (Avd)
Engineering Design & Presentation I
Engineering Math
Engineering Science

- B. 4 English elective credits (in addition to the 4 required English credits) to include 3 levels in one of the following areas:
- Advanced journalism: Newspaper
 - Advanced journalism: Yearbook
 - Debate
- C. A coherent sequence of four credits from (A or B) that may also include Web Design, and/or Independent Study in Technology.

Public Services Endorsement

A student may earn a Public Services endorsement by completing the general graduation credit requirements with 5 elective credits (one of which must be Technology) from the following:

A coherent sequence of courses for 5 or more credits in CTE that consists of at least two courses in the same cluster including at least one advanced CTE Course:



Education & Training

Professional Communication (Required)
Technology (Required)
Business English
Principles of Human Services
Dollars and Sense
Child Development
Counseling and Mental Health
Human Growth and Development
Principles of Education and Training
Instructional Practices (Advanced)
Practicum in Education & Training (Advanced)
Extended Practicum in Education & Training (Adv)



Human Services

Professional Communication (Required)
Technology (Required)
Business English
Principles of Human Services
Dollars and Sense
Child Development
Counseling & Mental Health
Family and Community Service (Advanced)
Human Growth & Development
Interpersonal Studies
Lifetime Nutrition & Wellness
Intro/Cosmetology I
Cosmetology II/Lab (Advanced)
Parent Education for School Age Parents I (KEYS Only)
Parent Edu for School Age Parents II (KEYS Only) (Adv)



Health Science

Professional Communication (Required)
Technology (Required)
Business English
Dollars and Sense
Counseling and Mental Health
Honors Anatomy & Physiology
Principles of Health Science
Health Science Theory & Clinical - Rotation (Adv)
Health Science Theory & Clinical - Site (Adv)
Honors Health Science Theory & Clinical – PCT (Adv)
Health Science Theory – Fire Academy (Advanced)
Medical Terminology
Medical Microbiology
Pathophysiology
Honors Pharmacology (Advanced)
Honors Extended Prac in Health Science-(Phleb) (Adv)
Honor Extended Prac in Health Sci – Fire Academy (Adv)



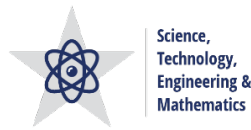
Law & Public Service

Professional Communication
(Required)
Technology (Required)
Business English
Dollars and Sense
Counseling & Mental Health
Forensic Science
Principles of Law, Public Safety, Corrections & Security
Court Systems & Practices
Advanced Legal Skills & Professions (Advanced)
Law Enforcement I Rotation or Dispatch (Advanced)
Law Enforcement I Fire Academy (Advanced)
Law Enforcement II (Advanced)
Practicum in Law, Public Safety, Corr & Security (Adv)
Ext Pract in Law, Public Safety, Corr & Security (Adv)

Science, Technology, Engineering, Mathematics (STEM) Endorsement

A student may earn a STEM endorsement by completing the general graduation credit requirements (must include Algebra II, Chemistry, and Physics with 5 credits (one of which must be Technology) from one of the following:

- A. A coherent sequence of courses for 5 or more credits in CTE that consists of at least 2 courses in the same career cluster including at least one advanced CTE course.

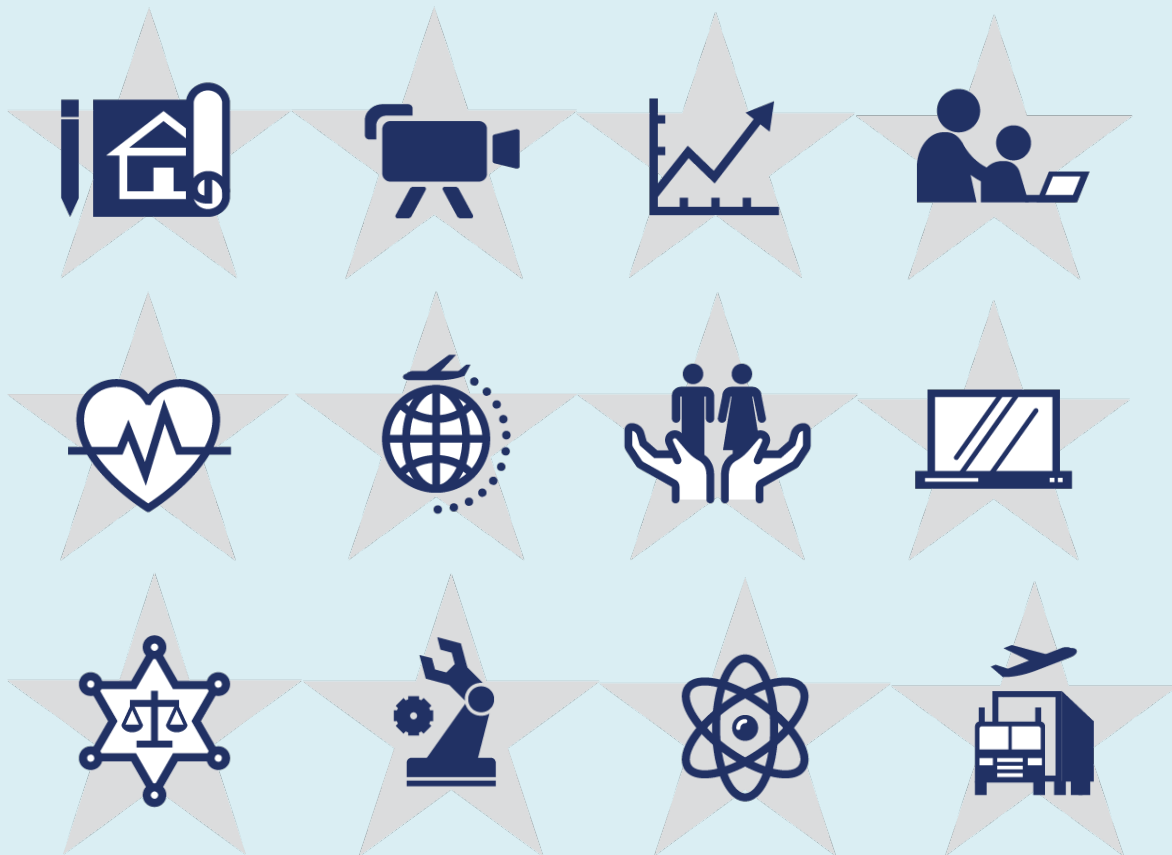


Professional Communication (Required)
Technology (Required)
Business English
Dollars and Sense
Principles of Applied Engineering
Engineering Design & Presentation I
Engineering Design & Presentation II (Advanced)
Engineering Mathematics
Engineering Science
Forensic Science
Principals of Information Technology
Foundations of Cybersecurity
Computer Science I
Computer Science II (Advanced)
Honors Aerospace I
Honors Aerospace II (Advanced)
Honors Intro to UAV (Drones)
Practicum in STEM (Advanced)
Extended Practicum in STEM (Advanced)
Honors Practicum in STEM (Advanced)
Honors Extended Practicum in STEM (Advanced)

- B. A coherent sequence of 4 credits in Computer Science
- C. A total of 5 credits in math by successfully completing Algebra I, Geometry, Algebra II and two additional math courses for which Algebra II is a prerequisite
- D. Total of 5 credits in science by successfully completing Biology, Chemistry, Physics or Principles of Technology, and two additional science courses (IPC is not an allowable science for the STEM endorsement.)
- E. In addition to Algebra II, Chemistry, and Physics, a coherent sequence of 3 additional credits from no more than two of the areas listed in (A), (B), (C), or (D).



CTE Programs of Study Frameworks



Non-Discrimination Policy

It is the policy of Hurst-Euless-Bedford ISD not to discriminate on the basis of race, color, national origin, sex or handicap, in its career and technology (vocational) programs, services or activities 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. Hurst-Euless-Bedford ISD will take steps to assure that lack of English language skills not be a barrier to admission and participation in all educational and career and technology (vocational) programs. Admission to these programs is based on interest and aptitude, age appropriateness and class space availability.

CTE Programs of Study Frameworks

 Architecture and Construction ☐ Architectural Design	 Arts, Audio/Video Technology, and Communications ☐ Design and Multimedia Arts ☐ Digital Communications	 Business, Marketing, and Finance ☐ Accounting and Financial Services ☐ Business Management ☐ Entrepreneurship ☐ Marketing and Sales	 Education and Training ☐ Early Learning ☐ Teaching and Training
 Health Science ☐ Healthcare Diagnostics ☐ Healthcare Therapeutic ☐ Medical Therapy ☐ Nursing Science	 Hospitality and Tourism ☐ Culinary Arts	 Human Services ☐ Cosmetology and Personal Care Services ☐ Family and Community Services ☐ Health and Wellness	 Information Technology ☐ Information Technology Support and Services ☐ Networking Systems ☐ Web Development
 Law and Public Service ☐ Emergency Services ☐ Law Enforcement ☐ Legal Studies	 Manufacturing ☐ Advanced Manufacturing and Machinery Mechanics	 Science, Technology, Engineering, and Math ☐ Biomedical Science ☐ Cybersecurity ☐ Engineering ☐ Programming and Software Development ☐ Renewable Energy	 Transportation, Distribution, and Logistics ☐ Automotive ☐ Drone (Unmanned Flight)

Non-Discrimination Policy

It is the policy of Hurst-Eules-Bedford ISD not to discriminate on the basis of race, color, national origin, sex or handicap, in its career and technology (vocational) programs, services or activities 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. Hurst-Eules-Bedford ISD will take steps to assure that lack of English language skills not be a barrier to admission and participation in all educational and career and technology (vocational) programs. Admission to these programs is based on interest and aptitude, age appropriateness and class space availability.

HEB ISD Programs of Study Career Clusters

Click on the link below to view the Programs of Study Frameworks



[Architecture and Construction Career Cluster](#)



[Arts, Audio/Video Technology, and Communications Career Cluster](#)



[Business, Marketing, and Finance Career Cluster](#)



[Education and Training Career Cluster](#)



[Health Science Career Cluster](#)



[Hospitality and Tourism Career Cluster](#)



[Human Services Career Cluster](#)



[Information Technology Career Cluster](#)



[Law and Public Service Career Cluster](#)



[Manufacturing Career Cluster](#)



[Science, Technology, Engineering, and Mathematics Career Cluster](#)



[Transportation, Distribution, and Logistics Career Cluster](#)

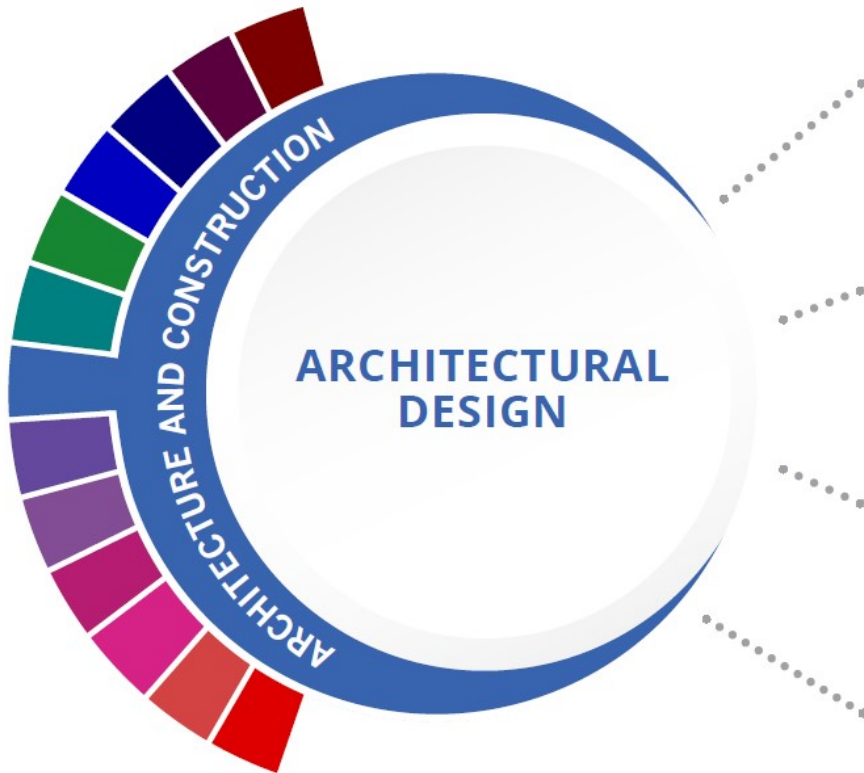
ARCHITECTURAL DESIGN



Local Implementation Considerations:

Students completing two or more courses for two or more credits within a program of study earn concentrator status for Perkins V federal accountability reporting.

Proposed Indicator: Students finishing three or more courses for four or more credits with one course from level 3 or 4 within a program of study earn completer status for federal accountability reporting.



Level 1

Architectural Design I

Interior Design I

Level 2

Architectural Design II

Interior Design II

Level 3

Practicum in Architectural Design

Level 4

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Autodesk Certified Professional or User in AutoCAD	Certified Photogrammetric Technologist	Architecture	Architecture	Architecture
Autodesk Certified Professional or User in AutoCAD Civil 3D	Certified Development, Design & Construction Professional	Interior Design	Interior Design	Interior Architecture
Autodesk Certified Professional or User in Autodesk Revit Architecture	National Council Certified Interior Designer	Civil Engineering, General	Civil Engineering, General	Civil Engineering, General
Autodesk Certified Professional or User in Autodesk Revit MEP Electrical	LEED AP Building Design & Construction	Geographic Information Science and Cartography	Geographic Information Science and Cartography	Geographic Information Science and Cartography

Occupations	Median Wage	Annual Openings	% Growth
Architects	\$77,043	808	16%
Geographic Information Analysts and Surveyors	\$58,926	162	27%
Architectural/ Civil Drafters	\$50,170	1,068	9%
Construction Managers	\$87,402	2,401	14%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Shadow an architect, interior designer, or civil engineer. SkillsUSA	Intern at an architecture firm.

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

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 Architecture 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 the Business and Industry endorsement or STEM endorsement if the math and science requirements are met. Revised - July 2020

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Architectural Design I	13004600 (1 credit)	PREQ: Algebra I and English I	10-12
Interior Design I	13004300 (1 credit)	PREQ: Algebra I and English I	10-12
Architectural Design II	13004700 (2 credits)	PREQ: Architectural Design I or Advanced Interior Design and Geometry	11-12
Interior Design II	13004400 (2 credits)	PREQ: English II, Geometry, and Interior Design I	11-12
Practicum in Architectural Design	13004800 (2 credits) 13004805 (3 credits)	PREQ: Architectural Design II	12

FOR ADDITIONAL INFORMATION ON THE ARCHITECTURE AND CONSTRUCTION CAREER CLUSTER, PLEASE CONTACT:

HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/Domain/80>

<https://tea.texas.gov/cte>

Hurst -Euless-Bedford ISD offers career and technical education programs in Architecture & Construction, Arts, A/V Technology & Communications, Business, Marketing & Finance, Education & Training, Health Science, Hospitality & Tourism, Human Services, Information Technology, Law & Public Service, Manufacturing, Science, Technology, Engineering & Mathematics, Transportation, Distribution & Logistics. Admission to the program is based on interest and aptitude, age appropriateness, and class space availability. It is the policy of Hurst-Euless-Bedford ISD not to discriminate on the basis of race, color, national origin, sex or handicap, in its vocational programs, services, or activities 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. It is the policy of Hurst-Euless-Bedford ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment programs activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended. Hurst-Euless-Bedford ISD will take steps to assure that lack of English language skills not be a barrier to admission and participation in all educational and vocational programs. For information about your rights or grievance procedures, contact Title IX Coordinator, Christopher Hill at 1849 Central, Bedford, Texas 76022, 817-283-4461 and/or the Section 504 Coordinator, Carla Docken at 1849 Central, Bedford, Texas 76022, 817-283-4461.



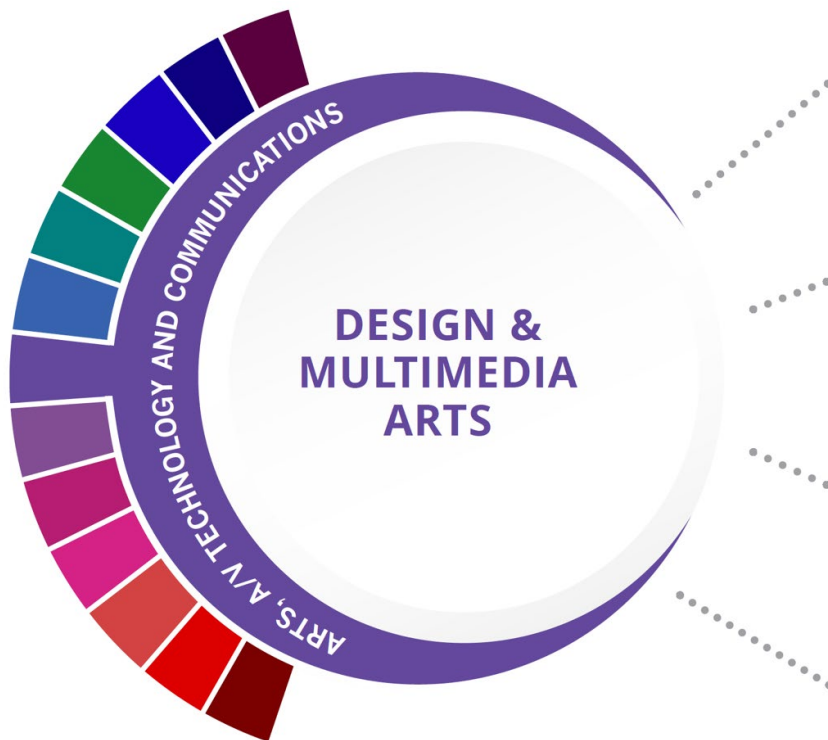
**DESIGN AND
MULTIMEDIA
ARTS**

**DIGITAL
COMMUNICATIONS**

Local Implementation Considerations:

Students completing two or more courses for two or more credits within a program of study earn concentrator status for Perkins V federal accountability reporting.

Students finishing three or more courses for four or more credits with one course from level 3 or 4 within a program of study earn completer status for federal accountability reporting.



	Video Game Design
Level 1	Digital Media
	Graphic Design and Illustration I
	Animation I
Level 2	Video Game Programming
	Commercial Photography I
	Graphic Design and Illustration II/Lab
	Animation II/Lab
Level 3	Advanced Video Game Programming
	Commercial Photography II
	Practicum in Graphic Design and Illustration
Level 4	Practicum in Animation
	Practicum in Commercial Photography

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Adobe Certified Associate Certifications	Certified Digital Designer	Animation, Interactive Technology, Video Graphics and Special Effects	Animation, Interactive Technology, Video Graphics and Special Effects	Animation, Interactive Technology, Video Graphics and Special Effects
Adobe Certified Expert Certifications	WOW Certified Web Designer Apprentice	Graphic Design	Graphic Design	Graphic Design
Apple Logic Pro X	Adobe Suite Certifications	Game and Interactive Media Design	Game and Interactive Media Design	Intermedia/Multimedia

Occupations	Median Wage	Annual Openings	% Growth
Graphic Designers	\$44,824	1,433	15%
Multimedia Artists and Animators	\$67,392	186	21%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Join a website development or coding club. Participate in SkillsUSA or TSA	Intern with a multimedia or animation studio. Obtain a certificate or certification in graphic design.

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

The Design and Multimedia Arts program of study 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 the Business and Industry Endorsement. Revised - July 2020

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Video Game Design	13009970 (1 credit)	None	9-12
Digital Media	13027800 (1 credit)	None	9-12
Graphic Design and Illustration I	13008800 (1 credit)	None	10-12
Animation I	13008300 (1 credit)	None	10-12
Video Game Programming	N1300994 (1 credit)	None	10-12
Commercial Photography I	13009100 (1 credit)	None	9-12
Graphic Design and Illustration II/Lab	13008910 (2 credits)	PREQ: Graphic Design and Illustration I	10-12
Animation II/Lab	13008410 (2 credits)	PREQ: Animation I	11-12
Advanced Video Game Programming	N1300995 (1 credit)	None	10-12
Commercial Photography II	13009200 (1 credit)	None	10-12
Practicum in Graphic Design and Illustration	13009000 (2 credits) 13009005 (3 credits)	PREQ: Graphic Design & Illustration II & Graphic Design and Illustration II Lab	10-12
Practicum in Animation	13008450 (2 credits) 13008455 (3 credits)	PREQ: Animation II and Animation II Lab	11-12
Practicum in Commercial Photography	13009250 (2 credits) 13009255 (3 credits)	PREQ: Commercial Photography I & Commercial Photography I Lab	10-12

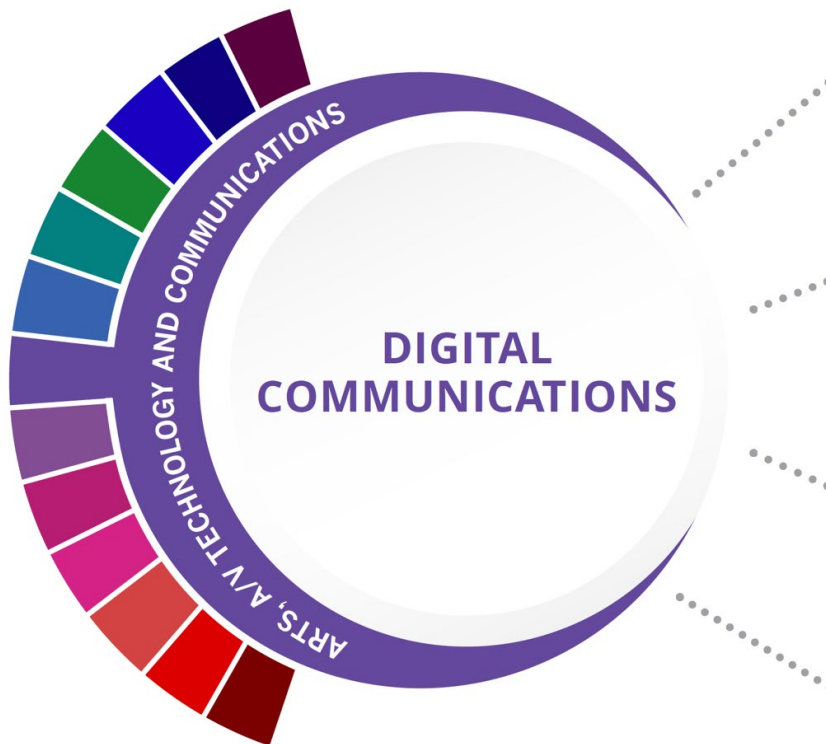
FOR ADDITIONAL INFORMATION ON THE ARTS, AUDIO/VIDEO, TECHNOLOGY, AND COMMUNICATIONS CAREER CLUSTER, PLEASE CONTACT:

HEB ISD Career & Technical Education Department

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Professional Communications

Level 1

Audio/Video Production I

Level 2

Audio Video Production II/Lab

Level 3

Practicum of Audio/Video
Production

Level 4

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Apple Final Cut Pro X	Certified Video Engineer	Recording Arts Technology/ Technician	Recording Arts Technology/ Technician	Communications Technology/ Technician
Apple Logic Pro X	Commercial Audio Technician	Cinematography and Film/ Video Production	Cinematography and Film/ Video Production	Cinematography and Film/ Video Production
Adobe Certified Associate Premiere Pro	Certified AM Directional Specialist	Radio and Television Broadcasting Technology/ Technician	Radio and Television	Radio and Television
Adobe Certified Associate Certifications	Certified Broadcast Radio Engineer	Music Technology	Agricultural Communication/ Journalism	Agricultural Communication/ Journalism

Occupations	Median Wage	Annual Openings	% Growth
Sound Engineering Technicians	\$39,562	79	27%
Camera Operators, Television, Video and Motion Picture	\$50,024	129	9%
Audio and Video Equipment Technicians	\$40,581	757	29%
Film and Video Editors	\$47,382	118	23%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Shadow a production team Participate in SkillsUSA or TSA	Intern at a local television station or video production company Work with a local company on a project

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

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 the Business and Industry Endorsement. Revised - July 2020

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Professional Communications	13009900 (.5 credits)	None	9-12
Audio/Video Production	13008500 (1 credit)	None	10-12
Audio Video Production II/Lab	13008610 (2 credits)	PREQ: Audio/Video Production I	10-12
Practicum of Audio/Video Production	13008700 (2 credits) 13008705 (3 credits)	PREQ: Audio/Video Production II/Lab	11-12

FOR ADDITIONAL INFORMATION ON THE ARTS, AUDIO/VIDEO, TECHNOLOGY, AND COMMUNICATIONS CAREER CLUSTER, PLEASE CONTACT:

HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/Domain/80>

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**ACCOUNTING
AND FINANCIAL
SERVICES**

**BUSINESS
MANAGEMENT**

ENTREPRENEURSHIP

**MARKETING
AND SALES**

Local Implementation Considerations:

Students completing two or more courses for two or more credits within a program of study earn concentrator status for Perkins V federal accountability reporting.

Proposed Indicator: Students finishing three or more courses for four or more credits with one course from level 3 or 4 within a program of study earn completer status for federal accountability reporting.



Level 1

Principles of Business, Marketing, and Finance

Business Information Management I

Accounting I

Level 2

Accounting II

Level 3

Level 4

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
QuickBooks Certified User	Certified Management Accountant	Real Estate	Accounting	Financial Accounting
Microsoft Office Specialist or Expert - Excel	Certified Internal Auditor	Financial, General	Financial, General	Business Administration
Certified Insurance Service Representative	Certified Income Specialist	Financial Planning and Services]	Financial Planning and Services]	Financial Planning
	Certified Public Accountant	Certified Income Specialist	Certified Income Specialist	

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

Occupations	Median Wage	Annual Openings	% Growth
Accountants and Auditors	\$71,469	14,436	22%
Loan Officers	\$68,598	2,419	19%
Personal Financial Advisors	\$86,965	1,861	52%
Administrative Service Managers	\$96,138	2,277	21%
Insurance Underwriters	\$66,206	594	14%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Business Professionals of America (BPA) Future Business Leaders of America (FBLA) DECA	Internship with local accounting firm Microsoft Office Specialist (MOS) certifications

The Accounting and Financial Services program of study teaches CTE learners 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

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Business, Marketing, and Finance	13011200 (1 credit)	None	9-11
Business Information Management I	13011400 (1 credit)	None	9-12
Accounting I	13016600 (1 credit)	None	10-12
Accounting II	13016700 (1 credit)	PREQ: Accounting I	11-12

FOR ADDITIONAL INFORMATION ON THE BUSINESS, MARKETING, AND FINANCE CAREER CLUSTER, PLEASE CONTACT:
HEB ISD Career & Technical Education Department

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Level 1	Principles of Business, Marketing, and Finance
	Business Information Management I
	Virtual Business
Level 2	Business Information Management II
	Global Business
Level 3	
Level 4	

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE / LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Microsoft Office Specialist or Expert- Excel	Certified Records Manager	Business Administration	Business Administration	Business Administration
Microsoft Office Specialist or Expert - Word	Certified Facility Manager	Business/ Commerce	Business/ Commerce	Business Management
Google Cloud Certified Professional – G-Suite	Certified Commercial Contracts Manager	Public Administration	Public Administration	Public Administration
Certified Associate in Project Management	Teradata 14 Basics/ Certified Technical Specialist	Business Management	Management Science	Management Science

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

Occupations	Median Wage	Annual Openings	% Growth
Administrative Service Managers	\$96,138	2,277	21%
Management Analysts	\$87,651	4,706	32%
General and Operations Managers	\$107,640	18,679	20%
Operations Research Analysts	\$78,083	1,128	38%
Supervisors of Administrative Support Workers	\$57,616	14,982	20%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Business Professional of America (BPA), Future Business Leaders of America (FBLA), and DECA	Internship with local business or chamber of commerce

The Business Management 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 Business Management program of study will fulfill requirements of the Business and Industry Endorsement. Revised - July 2020

COURSE INFORMATION

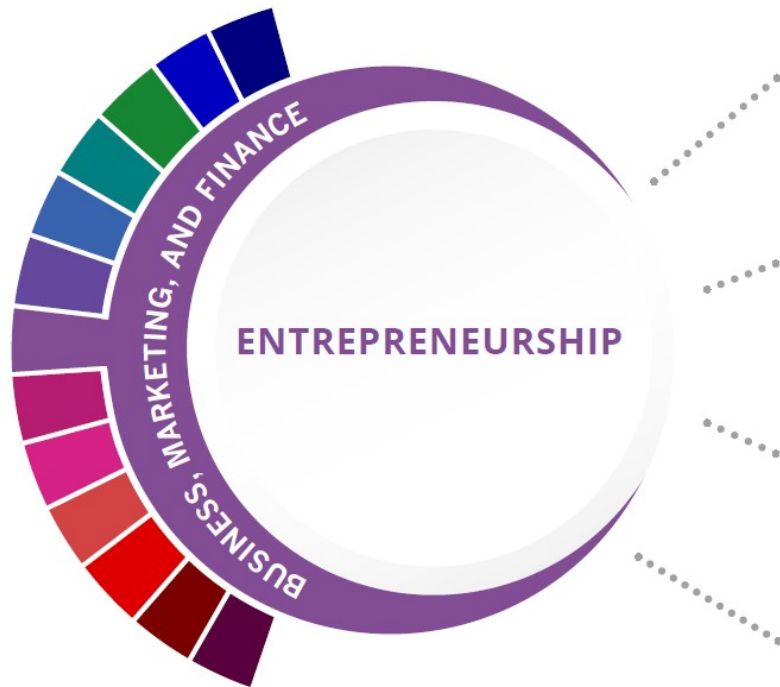
COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Business, Marketing, and Finance	13011200 (1 credit)	None	9-11
Business Information Management I	13011400 (1 credit)	None	9-12
Virtual Business	13012000 (.5 credit)	None	10-12
Business Information Management II	13011500 (1 credit)	PREQ: Business Information Management I	10-12
Global Business	13011800 (.5 credit)	None	10-12

FOR ADDITIONAL INFORMATION ON THE BUSINESS, MARKETING, AND FINANCE CAREER CLUSTER, PLEASE CONTACT:
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Level 1

Principles of Business, Marketing, and Finance

Business Information Management I

Entrepreneurship

Level 2

Level 3

Practicum in Marketing

Level 4

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Microsoft Office Expert - Excel	Certified Facility Manager	Business Administration and Management	Business Administration and Management	Business Administration and Management
Microsoft Office Expert - Word	Certified Management Accountant	Business/ Commerce	Business/ Commerce	Business/ Commerce
Entrepreneurship and Small Business	Certified Project Consultant	Public Administration	Public Administration	Public Administration
	Accredited Management Consultant	Business Management	Management Science	Management Science

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

Occupations	Median Wage	Annual Openings	% Growth
General and Operations Managers	\$107,640	18,679	20%
Management Analysts	\$87,651	4,706	32%
Managers, All Others	\$113,110	1,794	26%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Business Professionals of America (BPA) Future Leaders of America (FBLA) DECA	Internship with local management consulting firm

The Entrepreneurship program of study teaches CTE learners 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

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Business, Marketing, and Finance	13011200 (1 credit)	None	9-11
Business Information Management I	13011400 (1 credit)	None	9-12
Entrepreneurship	13034400 (1 credit)	None	10-12
Practicum in Marketing	13034800 (2 credits) 13034805 (3 credits)	None	11-12

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Level 1	Principles of Business, Marketing, and Finance
Level 2	Sports and Entertainment Marketing Virtual Business
Level 3	Social Media Marketing Advertising
Level 4	Practicum in Marketing

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE / LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Microsoft Office Specialist or Expert - Excel	Certified Product Manager	Marketing/ Marketing Management, General	Marketing/ Marketing Management, General	Marketing
Microsoft Office Specialist or Expert - Word	DMA Certified Marketing Professional	Consumer Merchandising/ Retailing Management	Business Administration	Business Administration
Google Analytics Individual Qualification	Certified Salesperson	International Marketing	Applied Economics	Applied Economics
Entrepreneurship and Small Business	Real Estate Appraiser	Business	Marketing Research	Advertising

Occupations	Median Wage	Annual Openings	% Growth
Marketing Research Analysts and Marketing Specialists	\$70,346	4,664	40%
Insurance Sales Agents	\$43,181	5,886	30%
First-Line Supervisors of Retail Sales Workers	\$72,550	2,826	15%
Wholesale and Retail Buyers	\$51,106	1,229	19%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Business Professionals of America (BPA), Future Business Leaders of America (FBLA), and DECA	Internship with local marketing firm; shadow a real estate agent; operate a school store on campus

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

The Marketing and Sales program of study teaches CTE learners 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

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Business, Marketing, and Finance	13011200 (1 credit)	None	9-11
Sports and Entertainment Marketing	13034600 (.5 credit)	None	9-12
Virtual Business	13012000 (.5 credit)	None	10-12
Social Media Marketing	13034650 (.5 credit)	None	9-12
Advertising	13034200 (.5 credit)	None	9-12
Practicum in Marketing	13034800 (2 credits) 13034805 (3 credits)	None	11-12

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<https://www.hebisd.edu/Domain/80>
<https://tea.texas.gov/cte>

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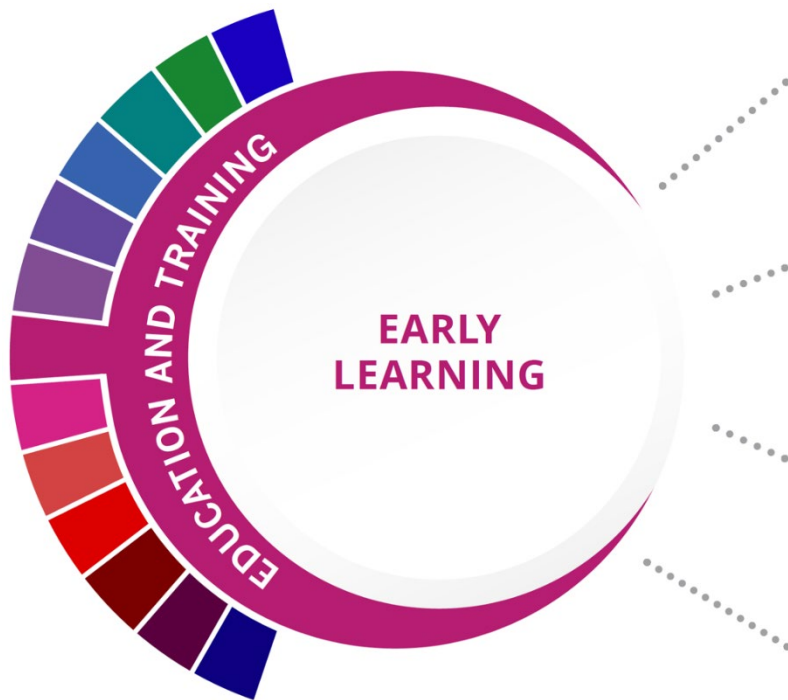
**EARLY
LEARNING**

**TEACHING
AND TRAINING**

Local Implementation Considerations:

Students completing two or more courses for two or more credits within a program of study earn concentrator status for Perkins V federal accountability reporting.

Proposed Indicator: Students finishing three or more courses for four or more credits with one course from level 3 or 4 within a program of study earn completer status for federal accountability reporting.



Level 1	Principles of Education and Training Principles of Human Services Child Development
Level 2	
Level 3	
Level 4	

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Child Development Associate	Child Development Associate	Early Childhood Education and Teaching	Early Childhood Education and Teaching	Early Childhood Education and Teaching
	Texas Educator Certification Program	Multicultural Early Childhood Development	Multicultural Early Childhood Development	Multicultural Early Childhood Development
	County Librarian	Kindergarten/Preschool Education and Training	Early Childhood	Educational, Instructional, and Curriculum Supervision
	Professional Counselor	Psychology/ Sociology	Psychology/ Sociology	Educational Leadership and Administration

Occupations	Median Wage	Annual Openings	% Growth
Kindergarten Teachers, except Special Education	\$53,310	1,848	17%
Preschool Teachers	\$27,851	4,330	17%
Special Education Teachers, Preschool	\$55,670	148	27%
Elementary School Teachers	\$54,140	13,121	16%
Education Administrators, Elementary and Secondary School	\$79,830	2,407	16%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
Texas Association of Future Educators; Family, Career, and Community Leaders of America	Teach a community education class; volunteer as a teaching assistant.

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

The Early Learning program of study focuses on early childhood education, which consists of instructing and supporting preschool and early elementary school students in activities that promote social, physical and intellectual growth as well as in basic elements of science, art, music, and literature. This program of study introduces CTE learners to tasks necessary for planning, directing, and coordinating activities for young children.



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 career cluster.

Successful completion of the Early Learning program of study will fulfill requirements of the Public Service endorsement.
Revised - July 2020

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Education and Training	13014200 (1 credit)	None	9-10
Principles of Human Services	13024200 (1 credit)	None	9-12
Child Development	13024700 (1 credit)	None	10-12

FOR ADDITIONAL INFORMATION ON THE EDUCATION AND TRAINING CAREER CLUSTER, PLEASE CONTACT:

HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/Domain/80>

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Level 1	Principles of Education and Training
	Principles of Human Services
	Human Growth and Development
	Child Development
Level 2	
	Instructional Practices
Level 3	
	Practicum in Education and Training
Level 4	

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
Educational Aide I	Texas Educator Certification Program	Teacher Education	Bilingual and Multilingual Education	Instruction and Learning
	Educational Instructional Technology	Education, General (or specific subject area)	Education, General (or specific subject area)	Educational Leadership and Administration, General
	Counselor, Professional	Special Education	Special Education	Special Education
	Athletic Trainer	Health and Physical Education/Fitness	Health and Physical Education/Fitness	Social and Philosophical Foundations of Education

Occupations	Median Wage	Annual Openings	% Growth
Adult Basic and Secondary Education and Literacy Teachers and Instructors	\$48,069	862	17%
Middle School Teachers, Except Special and Career/ Technical Education	\$54,510	6,407	15%
Career and Technical Education Teachers, Secondary School	\$56,360	719	9%
Special Education Teachers, Secondary School	\$56,720	980	18%

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
Texas Association of Future Educators, or Family, Career and Community Leaders of America	Teach a community education class; intern as a teaching assistant or tutor; serve as a camp counselor.

The Teaching and Training program of study prepares CTE learners for careers related to teaching, instruction, and creation of instructional and enrichment materials. The program of study introduces CTE learners 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 career cluster.

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

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Education and Training	13014200 (1 credit)	None	9-10
Principles of Human Services	13024200 (1 credit)	None	9-12
Human Growth and Development	13014300 (1 credit)	None	10-12
Child Development	13024700 (1 credit)	None	10-12
Instructional Practices	13014400 (2 credits)	None	11-12
Practicum in Education and Training	13014500 (2 credits) 13014505 (3 credits)	PREQ: Instructional Practices	12

FOR ADDITIONAL INFORMATION ON THE EDUCATION AND TRAINING CAREER CLUSTER, PLEASE CONTACT:

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**HEALTHCARE
DIAGNOSTICS**

**HEALTHCARE
THERAPEUTIC**

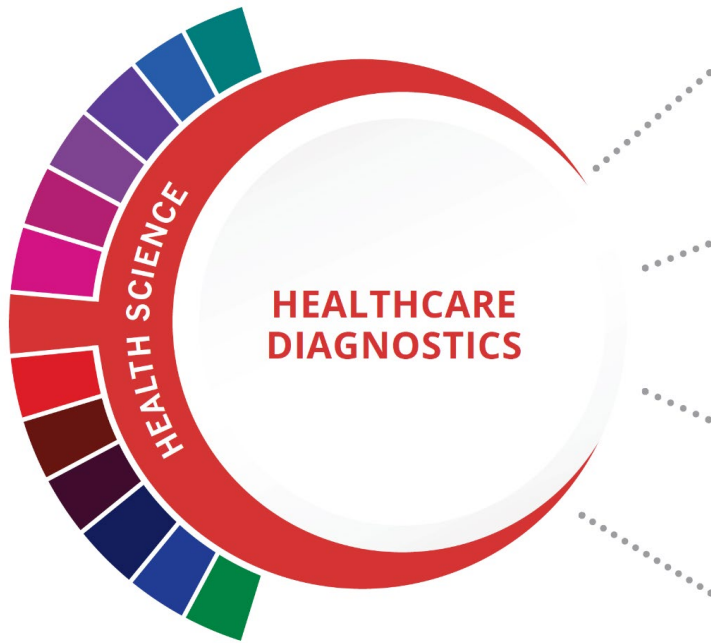
**MEDICAL
THERAPY**

**NURSING
SCIENCE**

Local Implementation Considerations:

Students completing two or more courses for two or more credits within a program of study earn concentrator status for Perkins V federal accountability reporting.

Proposed Indicator: Students finishing three or more courses for four or more credits with one course from level 3 or 4 within a program of study earn completer status for federal accountability reporting.



Principles of Health Science

Level 1

Medical Terminology

Level 2

Level 3

Health Science Theory/Health Science Clinical (Clinical Rot/SITE/PCT)

Medical Microbiology

Anatomy and Physiology

Level 4

Pathophysiology

Practicum in Health Science (Phlebotomy/Fire Academy)

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
Limited Licensed Radiology Technologist	Medical Sonographer	Nuclear Medical Technology/Technologist	Nuclear Medical Technology/Technologist	Radiologist
EKG/ECG Technician	Radiologic Technologist	Magnetic Resonance Imaging (MRI) Technology/Technician	Medical Radiologic Technology/Science Radiation Therapist	Radiologic Technology/Science - Radiographer
Medical Laboratory Technician				
Phlebotomy Technician				

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

Occupations	Median Wage	Annual Openings	% Growth
Diagnostic Medical Sonographers	\$69,909	495	35%
Phlebotomists	\$30,597	1442	36%
Nuclear Medicine Technologists	\$75,962	91	13%
Radiologic Technologists	\$55,494	1196	19%
Magnetic Resonance Imagine Technologists	\$68,661	217	21%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Health Occupation Students of America (HOSA)	Clinical rotations at a community wellness center, hospital, assisted living, nursing home

The Healthcare Diagnostics program of study introduces students to occupations and education opportunities related to performing complex medical laboratory tests for the diagnosis, treatment, and prevention of disease. This program of study may also include exploration into the opportunities associated with blood laboratories as well as radiologic technology and ultrasound technology.



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 Diagnostics program of study will fulfill requirements of the Public Service or STEM Endorsement if the math and science requirements are met. Revised- July 2020

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Health Science	13020200 (1 credit)	None	9-10
Medical Terminology	13020300 (1 credit)	None	9-12
Health Science Theory/ Health Science Clinical	13020400 (1 credit) 13020410 (2 credits)	PREQ: Biology	10-12
Medical Microbiology	13020700 (1 credit)	PREQ: Biology and Chemistry	10-12
Anatomy and Physiology	13020600 (1 credit)	PREQ: Biology and a second science credit	10-12
Pathophysiology	13020800	PREQ: Biology and Chemistry	10-12
Practicum in Health Science	13020500 (2 credits) 13020505 (3 credits)	PREQ: Health Science Theory and Biology	11-12

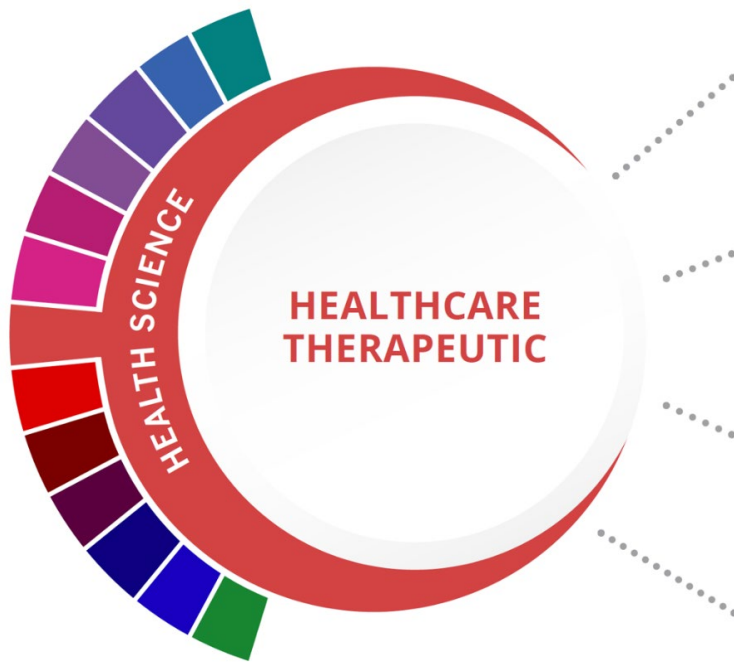
FOR ADDITIONAL INFORMATION ON THE HEALTH SCIENCE CAREER CLUSTER, PLEASE CONTACT:

HEB ISD Career & Technical Education Department

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Principles of Health Science

Level 1

Medical Terminology

Level 2

Anatomy and Physiology

Level 3

Health Science Theory/Health
Science Clinical
(Clinical Rot/SITE/PCT)

Medical Microbiology

Pathophysiology

Pharmacology

Level 4

Practicum in Health Science
(Phlebotomy/Fire Academy)

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Registered Dental Assistant	Dental Assistant	Dental Hygienist	Dental Hygienist	Dentist
Certified Patient Care Technician	Surgical Technologist	Medical/ Clinical Assistant		Physician Assistant
Certified Nurse Aide/Assistant	Medical Assistant			Family and General Practitioners
Pharmacy Technician	Pharmacy Aides			Pharmacist

Occupations	Median Wage	Annual Openings	% Growth
Medical Assistants	\$29,598	8,862	30%
Surgical Technologists	\$45,032	1,150	20%
Dental Hygienists	\$73,507	1,353	38%
Physicians and Surgeons	\$213,071	1,151	30%
Dental Assistants	\$34,840	4,422	31%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
SkillsUSA Health Occupation Students of America (HOSA)	Volunteer at a community wellness center, hospital, assisted living, or nursing home.

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

The Healthcare Therapeutic 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 Therapeutic program of study will fulfill requirements of a Public Service endorsement or STEM endorsement if the math and science requirements are met. Revised - July 2020

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Health Science	13020200 (1 credit)	None	9-10
Medical Terminology	13020300 (1 credit)	None	9-12
Anatomy and Physiology	13020600 (1 credit)	PREQ: Biology and a second science credit	10-12
Health Science Theory/ Health Science Clinical	13020400 (1 credit) 13020410 (2 credits)	PREQ: Biology	10-12
Medical Microbiology	13020700 (1 credit)	PREQ: Biology and Chemistry	10-12
Pathophysiology	13020800 (1 credit)	PREQ: Biology and Chemistry	11-12
Pharmacology	13020950 (1 credit)	PREQ: Biology and Chemistry	11-12
Practicum in Health Science	13020500 (2 credits) 13020505 (3 credits)	PREQ: Health Science Theory and Biology	11-12

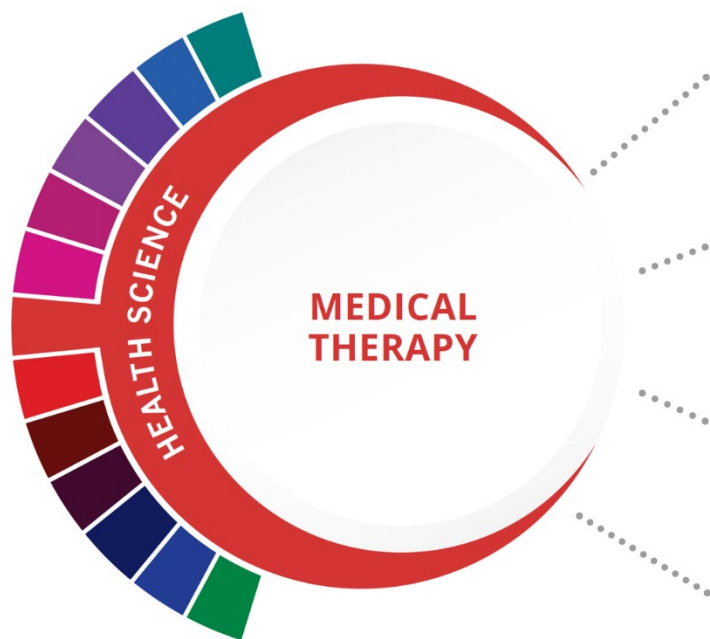
FOR ADDITIONAL INFORMATION ON THE HEALTH SCIENCE CAREER CLUSTER, PLEASE CONTACT:

HEB ISD Career & Technical Education Department

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Principles of Health Science

Level 1

Medical Terminology

Level 2

Health Science Theory/Health
Science Clinical
(Clinical Rot/SITE/PCT)

Level 3

Practicum in Health Science
(Phlebotomy/Fire Academy)

Level 4

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Certification in Orthopedic Manual Therapy	Certified Respiratory Therapist	Occupational Therapy Assistant	Respiratory Therapists	Occupational Therapists
Limited Licensed Radiology Technologist	Certified Physical Therapy Assistant	Radiation Therapists		Speech Language Pathologist
		Respiratory Therapists		Physical Therapists
		Physical Therapy Assistant		

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

Occupations	Median Wage	Annual Openings	% Growth
Speech Language Pathologists	\$73,070	1,068	25%
Respiratory Therapists	\$57,429	830	20%
Occupational Therapists	\$92,227	834	34%
Physical Therapy Assistants	\$70,200	1,268	44%
Radiation Therapists	\$70,658	101	23%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Health Occupation Students of America (HOSA)	Lab internship, Job shadow, Clinical rotations

The Medical Therapy 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 in occupations such as, Respiratory, Occupational, Physical, or Speech Therapy. CTE learners 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 Medical Therapy program of study will fulfill requirements of a Public Service or STEM endorsement if the math and science requirements are met. Revised - July 2020

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Health Science	13020200 (1 credit)	None	9-10
Medical Terminology	13020300 (1 credit)	None	9-12
Health Science Theory/ Health Science Clinical	13020400 (1 credit) 13020410 (2 credits)	PREQ: Biology	10-12
Practicum in Health Science	13020500 (2 credits) 13020505 (3 credits)	PREQ: Health Science Theory and Biology	11-12

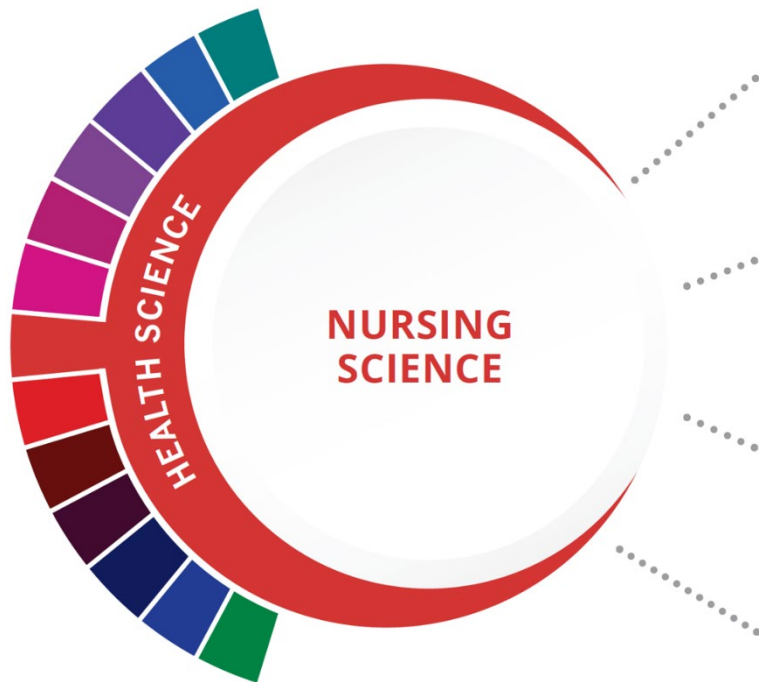
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Principles of Health Science

Level 1

Medical Terminology

Level 2

Medical Microbiology

Anatomy and Physiology

Level 3

Pathophysiology

Pharmacology

Level 4

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Certified Medical Assistant	Licensed Vocational Nurse	Registered Nursing/ Registered Nurse	Informatics Nurse Specialists	Nurse Practitioner
Certified Nurse Aide/Assistant				Nursing Administration
Certified Patient Care Technician				Nurse Anesthetist

Occupations	Median Wage	Annual Openings	% Growth
Licensed Vocational Nurses	\$45,178	7,186	21%
Registered Nurses	\$68,682	17,493	26%
Nurse Practitioners	\$107,827	977	50%
Nurse Anesthetists	\$154,856	357	23%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Health Occupation Students of America (HOSA)	Volunteer at a community wellness center, hospital, assisted living center, or nursing home.

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

The Nursing Science program of study introduces students to the knowledge and skills related to patient care. CTE learners may learn about or practice caring for patients, routine procedures such as monitoring vital signs, development and implementation of care plans, maintenance of medical records, and disease or pain management. Students may focus on the healthcare system and research system designs and make recommended modifications.



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

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Health Science	13020200 (1 credit)	None	9-10
Medical Terminology	13020300 (1 credit)	None	9-12
Medical Microbiology	13020700 (1 credit)	PREQ: Biology and Chemistry	10-12
Anatomy and Physiology	13020600 (1 credit)	PREQ: Biology and a second science credit	10-12
Pathophysiology	13020800 (1 credit)	PREQ: Biology and Chemistry	11-12
Pharmacology	13020950 (1 credit)	PREQ: Biology and Chemistry	11-12

FOR ADDITIONAL INFORMATION ON THE HEALTH SCIENCE CAREER CLUSTER, PLEASE CONTACT:

HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/Domain/80>

<https://tea.texas.gov/cte>

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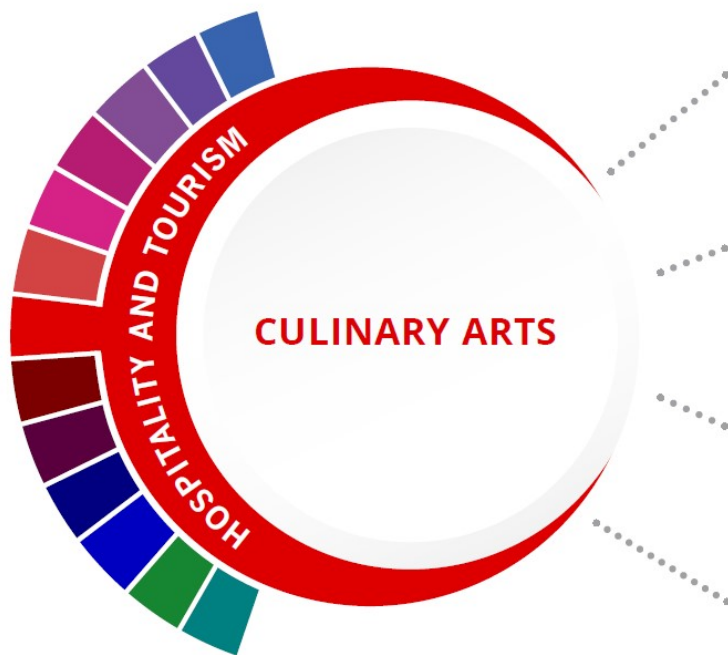
CULINARY ARTS



Local Implementation Considerations:

Students completing two or more courses for two or more credits within a program of study earn concentrator status for Perkins V federal accountability reporting.

Proposed Indicator: Students finishing three or more courses for four or more credits with one course from level 3 or 4 within a program of study earn completer status for federal accountability reporting.



Introduction to Culinary Arts

Level 1

Culinary Arts

Level 2

Level 3

Practicum in Culinary Arts

Level 4

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Certified Fundamentals Cook	Certified Chef	Hotel and Restaurant Management	Hotel and Restaurant Management	Hotel and Restaurant Management
Certified Fundamentals Pastry Cook	Foodservice Management Professional	Restaurant Culinary and Catering Management	Food Service Systems Administration/Management	Food Service Systems Administration/Management
ServSafe Manager	Comprehensive Food Safety	Hospitality Administration/Management, General	Hospitality Administration/Management, General	Hospitality Administration/Management, General
ManageFirst Professional	Certified Food and Beverage Executive	Culinary Arts/ Chef Training	Culinary Science and Food Service Management	Business Administration Management, General

Occupations	Median Wage	Annual Openings	% Growth
Food and Beverage Managers	\$55,619	1,561	28%
Chef and Head Cooks	\$43,285	1,366	25%
Food Science Technicians	\$34,382	236	11%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Family, Career, and Community Leaders of America (FCCLA), SkillsUSA, American Culinary Federation, Texas Restaurant Association	Plan a catering event or work for a catering company; participate in a cooking course; work in a restaurant; cook at home

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

The Culinary Arts program of study introduces CTE learners 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

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Introduction to Culinary Arts	13022550 (1 credit)	None	9-12
Culinary Arts	13022600 (2 credits)	None	10-12
Practicum in Culinary Arts	13022700 (2 credits) 13022705 (3 credits)	PREQ: Culinary Arts	11-12

FOR ADDITIONAL INFORMATION ON THE HOSPITALITY AND TOURISM CAREER CLUSTER, PLEASE CONTACT:

HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/Domain/80>

<https://tea.texas.gov/cte>

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COSMETOLOGY AND PERSONAL CARE SERVICES

REGIONAL PROGRAM OF
STUDY

FAMILY AND COMMUNITY SERVICES

HEALTH AND WELLNESS



Local Implementation Considerations:

Students completing two or more courses for two or more credits within a program of study earn concentrator status for Perkins V federal accountability reporting.

Proposed Indicator: Students finishing three or more courses for four or more credits with one course from level 3 or 4 within a program of study earn completer status for federal accountability reporting.



Level 1

Introduction to Cosmetology

Level 2

Cosmetology I

Level 3

Level 4

Cosmetology II/ Lab

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Cosmetology Operator License	Certified Aesthetic Laser Operator	Cosmetology/ Cosmetologist, General		
Cosmetology Esthetician Specialty License	Cosmetologist	Aesthetician/ Esthetician and Skin Care Specialist		
Cosmetology Manicurist Specialty License	Certified Spa Supervisor	Salon/Beauty Salon Management/ Manager		
Barber Operating License	Nail Technician/ Specialist and Manicurist	Cosmetology, Barber/Styling and Nail Instructor		

Occupations	Median Wage	Annual Openings	% Growth
First-Line Supervisors of Personal Service Workers	\$36,941	1,634	24%
Barbers	\$28,267	348	14%
Hairdressers, Hairstylists, and Cosmetologists	\$21,507	3,489	22%
Manicurists and Pedicurists	\$21,715	418	45%
Shampooers	\$18,720	139	24%
Skincare Specialists	\$26,437	637	22%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Participation in a Career and Technical Student Organization such as TIVA, or SKILLS USA	Job shadow a cosmetologist Work part-time at a beauty salon, spa, or barbershop

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

The Cosmetology and Personal Care Services program of study introduces CTE learners to knowledge and skills related to providing beauty and personal care services. CTE concentrators may learn about or practice managing personal care facilities and coordinating or supervising personal service workers.



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 regional program of study will fulfill requirements of the Public Service Endorsement. See the regions approved to offer this program of study at <https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/regional-programs-of-study>. Revised - July 2020.

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Introduction to Cosmetology	13025100 (1 Credit)	None	10
Cosmetology I	13025200 (2 credits)	None	10-11
Cosmetology II/Lab	13025310 (3 credits)	PREQ: Cosmetology I	11-12

FOR ADDITIONAL INFORMATION ON THE HUMAN SERVICES CAREER CLUSTER, PLEASE CONTACT:

HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/Domain/80>

<https://tea.texas.gov/cte>

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Level 1	Principles of Human Services
	Professional Communications
	Interpersonal Studies
	Dollars and Sense
Level 2	Lifetime Nutrition and Wellness
	Human Growth and Development
	Child Development
Level 3	Counseling and Mental Health
	Family and Community Services
Level 4	

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Community Health Worker	Human Development and Family Studies	Human Development and Family Studies	Human Development and Family Studies	Human Development and Family Studies
Certified Associate in Project Management	Community Health Services/ Liaison/ Counseling	Human Services/Sciences, General	Human Services/Sciences, General	Marriage and Family Therapy/ Counseling
	Distance Credentialed Counselor	Family and Consumer Sciences	Family and Consumer Sciences	Human Services/ Sciences
	Educator Certification in Family and Consumer Sciences	Community Health Services	Child and Family Services	Family Studies

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

Occupations	Median Wage	Annual Openings	% Growth
Child, Family, and School Social Workers	\$41,350	2,221	17%
Social and Community Services Managers	\$65,146	608	33%
Marriage and Family Therapists	\$42,266	217	35%
Social and Human Service Assistants	\$32,448	2,822	25%
Mental Health and Substance Abuse and Behavioral Disorder Counselors	\$42,120	576	39%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
American Association of Family and Consumer Sciences, Family, Career and Community Leaders of America	Volunteer at a community center; intern for a community non-profit organization

The Family and Community Services program of study introduces students to knowledge and skills related to social services, including child and human development and consumer sciences. CTE learners may learn about or practice managing social and community services or teaching family and consumer sciences. Students may follow career paths in social work or therapy for children, families, or school communities.



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 Family and Community Services program of study will fulfill requirements of the Public Service Endorsement. Revised - July 2020

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Human Services	13024200 (1 credit)	None	9-12
Professional Communications	13009900 (.5 credit)	None	9-12
Interpersonal Studies	13024400 (.5 credit)	None	9-12
Dollars and Sense	13024300 (.5 credit)	None	11-12
Lifetime Nutrition and Wellness	13024500 (.5 credit)	None	9-12
Human Growth and Development	13014300 (1 credit)	None	10-12
Child Development	13024700 (1 credit)	None	10-12
Counseling and Mental Health	13024600 (1 credit)	None	11-12
Family and Community Services	13024900 (1 credit)	None	10-12

FOR ADDITIONAL INFORMATION ON THE HUMAN SERVICES CAREER CLUSTER, PLEASE CONTACT:

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Principles of Human Services

Level 1

Lifetime Nutrition and Wellness

Human Growth and Development

Level 2

Interpersonal Studies

Level 3

Level 4

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Community Health Worker	Registered Dietitian	Nutrition Sciences	Nutrition Sciences	Nutrition Sciences
Entrepreneurship and Small Business	Counselor, Professional	Community Health Services/ Liaison/ Counseling	Mental Health Counseling/ Counselor	Community Health and Preventative Medicine
	Registered Dietitian Nutritionist	Health and Wellness, General	Nutrition	Nutrition
	Social Worker	Public Health	Human Nutrition and Foods	Exercise and Sports Nutrition

Occupations	Median Wage	Annual Openings	% Growth
Community Health Workers	\$38,064	592	25%
Rehabilitation Counselors	\$43,930	586	23%
Mental Health Counselors	\$41,558	812	38%
Health Care Social Workers	\$55,515	1,583	35%
Dietitians and Nutritionists	\$57,762	428	24%

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
American Association of Family and Consumer Sciences; Family, Career and Community Leaders of America	Job shadow a dietitian or nutritionist; work part-time at a counseling services center, health department or hospital

The Health and Wellness program of study introduces students to knowledge and skills related to promoting physical, emotional, social, and mental health and wellness. Students who choose this program of study may learn how to assist patients in planning for their health and wellness, respond to crises, and advise, provide education or counseling, or make referrals. CTE learners may also focus on addressing barriers to access health and wellness services.



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 Health and Wellness program of study will fulfill requirements of the Public Service Endorsement. Revised - July 2020

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Human Services	13024200 (1 credit)	None	9-12
Lifetime Nutrition and Wellness	13024500 (.5 credit)	None	9-12
Human Growth and Development	13014300 (1 credit)	None	10-12
Interpersonal Studies	13024400 (.5 credit)	None	9-12

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**INFORMATION
TECHNOLOGY
SUPPORT AND
SERVICES**

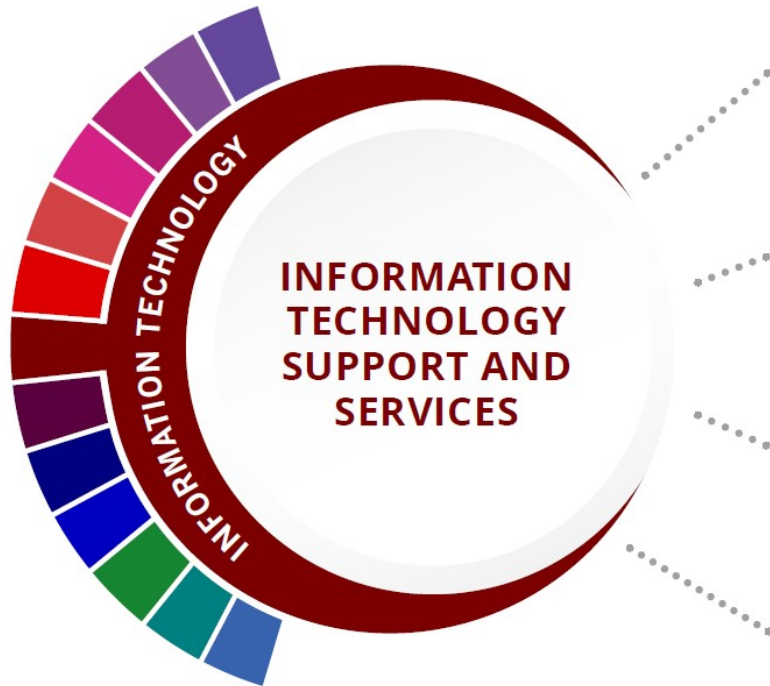
**NETWORKING
SYSTEMS**

WEB DEVELOPMENT

Local Implementation Considerations:

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Students finishing three or more courses for four or more credits with one course from level 3 or 4 within a program of study earn completer status for federal accountability reporting.



Level 1	Principles of Information Technology
	Computer Maintenance
Level 2	
	Computer Technician Practicum
Level 3	
	Practicum of Information Technology
Level 4	Independent Study in Technology Applications

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE / LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Microsoft Technology Associate Windows Operating System Fundamentals	IBM Certified Specialist - InfoSphere Optim for Distributed Systems Fundamentals	Computer and Information Sciences, General	Computer and Information Sciences, General	Computer and Information Sciences, General
ERSI ArcGIS Desktop Entry	IBM Certified Database Associate - DB2 11 Fundamentals for z/OS	Computer and Information Systems Security/ Information Assurance	Computer and Information Systems Security /Information Assurance	Computer Systems Analysis/ Analyst
CompTIA A+	HP ASE - ProLiant Server Solutions Integrator V2	Information Technology	Computer Engineering, General	Computer Engineering, General
CompTIA IT Fundamentals +	Oracle Linux 6 Advanced System Administration	Computer Systems Networking and Telecommunications	Computer Systems Networking and Telecommunications	Information Technology

Occupations	Median Wage	Annual Openings	% Growth
Database Administrator	\$83,075	1,063	19%
Computer Hardware Engineer	\$111,738	343	24%
Computer System Analyst and Support	\$87,568	5,937	29%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Join TSA Job shadow a database administrator or computer hardware engineer	Obtain a Certification

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

The Information Technology 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 the Business and Industry endorsement or STEM endorsement if the math and science requirements are met.

Revised - July 2020

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Information Technology	13027200 (1 credit)	None	9-10
Computer Maintenance	13027300 (1 credit)	PREQ: Principles of Information Technology	10-12
Computer Technician Practicum	13027500 (2 credits)	None	10-12
Practicum in Information Technology	13028000 (2 credits) 13028005 (3 credits)	PREQ: A minimum of two high school information technology (IT) courses	12
Independent Study in Technology Applications	03580900 (1 credit)	None	9-12

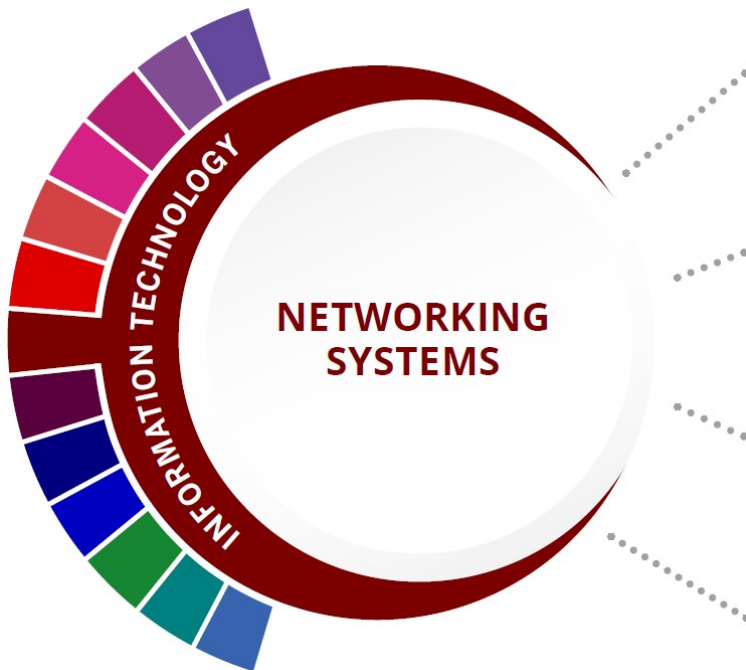
FOR ADDITIONAL INFORMATION ON THE INFORMATION TECHNOLOGY CAREER CLUSTER, PLEASE CONTACT:

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Level 1	Computer Science I Principles of Information Technology
Level 2	Computer Maintenance AP Computer Science Principles Networking/Lab
Level 3	Practicum in Information Technology
Level 4	Independent Study in Technology Applications

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Oracle Certified Associate Java SE 8	AEM 6 Business Practitioner	Computer and Information Sciences, General	Computer and Information Sciences, General	Computer and Information Sciences, General
Oracle Certified Database Associate	Intelligence Planner Certification Program	Computer Systems Networking And Telecommunications	Computer Systems Networking And Telecommunications	Information Technology
Cisco Certified Entry Networking Technician (CCENT)	Cisco Certified Entry Networking Technician	Information Technology	Computer and Information Systems Security/Information Assurance	Computer and Information Systems Security/Information Assurance
Associate of (ISC)2	Microsoft Networking Fundamentals	Network and System Administration/Administrator	Computer Engineering, General	Computer Engineering, General

Occupations	Median Wage	Annual Openings	% Growth
Computer Network Architects	\$111,633	1,082	23%
Computer Systems Analysts	\$87,568	5,937	29%
Computer Network Support Specialists	\$68,037	1,824	19%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Join TSA Job shadow a computer network architect or support specialist	Earn an industry-based certification.

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

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 the Business and Industry endorsement or STEM endorsement if the math and science requirements are met. Revised - July 2020

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Computer Science I	03580200 (1 credit)	Algebra I	9-10
Principles of Information Technology	13027200 (1 credit)	None	9-10
Computer Maintenance	13027300 (1 credit)	PREQ: Principles of Information Technology	10-12
AP Computer Science Principles	A3580300 (1 credit)	Algebra I	9-12
Networking/Lab	13027400 (1 credit) 13027410 (2 credits)	None	10-12
Practicum in Information Technology	13028000 (2 credits) 13028005 (3 credits)	PREQ: Minimum of two high school information technology (IT) courses	12
Independent Study in Technology Applications	03580900 (1 credit)	None	9-12

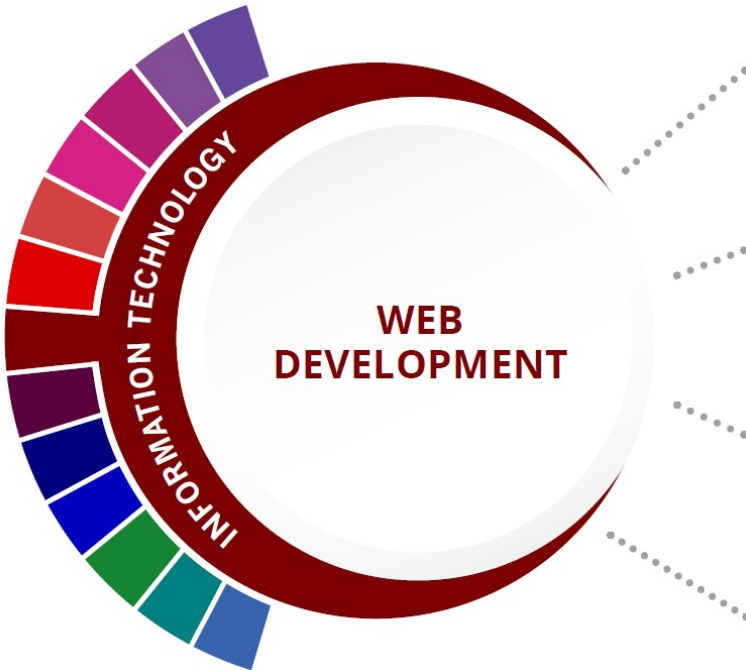
FOR ADDITIONAL INFORMATION ON THE INFORMATION TECHNOLOGY CAREER CLUSTER, PLEASE CONTACT:

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<https://www.hebisd.edu/Domain/80>

<https://tea.texas.gov/cte>

Hurst -Euless-Bedford ISD offers career and technical education programs in Architecture & Construction, Arts, A/V Technology & Communications, Business, Marketing & Finance, Education & Training, Health Science, Hospitality & Tourism, Human Services, Information Technology, Law & Public Service, Manufacturing, Science, Technology, Engineering & Mathematics, Transportation, Distribution & Logistics. Admission to the program is based on interest and aptitude, age appropriateness, and class space availability. It is the policy of Hurst-Euless-Bedford ISD not to discriminate on the basis of race, color, national origin, sex or handicap, in its vocational programs, services, or activities 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. It is the policy of Hurst-Euless-Bedford ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment programs activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972: the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended. Hurst-Euless-Bedford ISD will take steps to assure that lack of English language skills not be a barrier to admission and participation in all educational and vocational programs .For information about your rights or grievance procedures, contact Title IX Coordinator, Christopher Hill at 1849 Central, Bedford, Texas 76022, 817-283-4461 and/or the Section 504 Coordinator, Carla Docken at 1849 Central, Bedford, Texas 76022, 817-283-4461.



Principles of Information Technology

Level 1

Computer Science I

Level 2

Web Design

Level 3

Practicum in Information Technology

Level 4

Independent Study in Technology Applications

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE / LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Oracle Certified Associate Java SE 8	AEM 6 Developer	Computer Programming/ Programmer, General	Web/ Multimedia Management and Webmaster	Computational Science
WD Certified Web Design Certification	Certified Webmaster Professional	Computer Science	Computer Science	Computer Science
Microsoft Technology Associate Introduction to Programming Certifications	Adobe Campaign Developer	Web Page, Digital/ Multimedia and Information Resources Design	Web Page, Digital/ Multimedia and Information Resources Design	Information Science/ Studies
	IBM Certified Solution Developer – Open Social	Computer Systems Networking and Tele-communications	Computer Systems Networking and Tele-communications	Computer Systems Networking and Tele-communications

Occupations	Median Wage	Annual Openings	% Growth
Web Developers	\$67,912	1,079	39%
Web Administrators, Computer Occupations	\$85,197	1,616	20%
Software Developers	\$104,499	6,311	30%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Join TSA Participate in a coding or computer programming club Create a web page	Get an Oracle or CISCO Certification

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

The Web Development program of study explores the occupations and educational opportunities associated with designing, creating, and modifying websites. This program of study may also explore integrating websites with other computer applications, and converting written, graphic, audio, and video components to compatible web formats by using software designed to facilitate the creation of web and multimedia content.



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 Web Development program of study will fulfill requirements of the Business and Industry endorsement or STEM endorsement if the math and science requirements are met. Revised - July 2020

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Information Technology	13027200 (1 credit)	None	9-12
Computer Science I	03580200 (1 credit)	None	9-12
Web Design	03580820 (1 credit)	None	9-12
Practicum in Information Technology	13028000 (2 credit) 13028005 (3 credit)	PREQ: A minimum of two high school information technology (IT) courses	12
Independent Study in Technology Applications	03580900 (1 credit)	None	9-12

FOR ADDITIONAL INFORMATION ON THE INFORMATION TECHNOLOGY CAREER CLUSTER, PLEASE CONTACT:

HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/Domain/80>

<https://tea.texas.gov/cte>

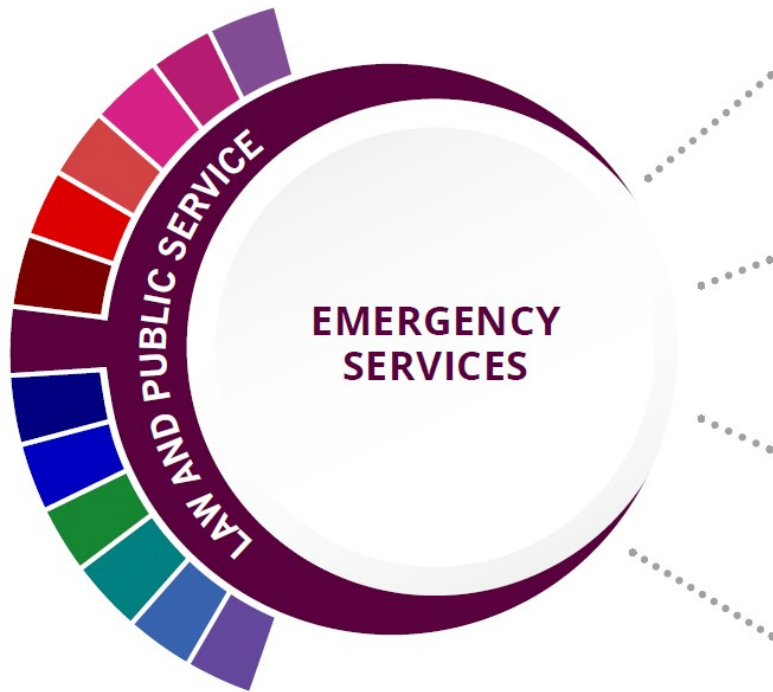
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Local Implementation Considerations:

Students completing two or more courses for two or more credits within a program of study earn concentrator status for Perkins V federal accountability reporting.

Proposed Indicator: Students finishing three or more courses for four or more credits with one course from level 3 or 4 within a program of study earn completer status for federal accountability reporting.



Principles of Law, Public Safety,
Corrections, and Security

Level 1

Level 2

Anatomy and Physiology

Counseling and Mental Health

Level 3

Practicum in Law, Public Safety,
Corrections, and Security

Level 4

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Emergency Medical Technician - Basic	Emergency Medical Technician - Basic	Emergency Medical Technology/ Technician (EMT Paramedic)	Emergency Medical Technology/ Technician (EMT Paramedic)	
Emergency Telecommunicator	Fire Protection Personnel/ Firefighter	Fire Prevention and Safety Technology/ Technician	Natural Resources Law Enforcement and Protective Services	
Basic Structure Fire Protection Certification	Fire Protection System Contractor	Fire Science/ Firefighting		
	Fire Inspector			

Occupations	Median Wage	Annual Openings	% Growth
Firefighters	\$50,149	2,309	13%
Fire Inspectors and Investigators	\$54,787	161	14%
Emergency Medical Technicians	\$34,091	1,880	31%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Attend local emergency awareness events, Texas Public Service Association	Volunteer at a hospital or a fire station

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

The Emergency Services program of study focuses on training CTE learners to respond to emergency situations, such as medical emergencies and fire-based emergencies. Students will learn how to prevent emergencies, respond appropriately and in accordance with rules and regulations during crises, and investigate and delineate the source of the emergency.



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 fire and emergency services.

Successful completion of the Emergency Services program of study will fulfill requirements of the Public Service Endorsement. Revised - July 2020

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Law, Public Safety, Corrections, and Security	13029200 (1 credit)	None	9-12
Anatomy and Physiology	13020600 (1 credit)	PREQ: Biology and a second science credit;	10-12
Counseling and Mental Health	13024600 (1 credit)	None	11-12
Practicum in Law, Public Safety, Corrections, and Security	13030100 (2 credits) 13030105 (3 credits)	None	11-12

FOR ADDITIONAL INFORMATION ON THE LAW AND PUBLIC SERVICE CAREER CLUSTER, PLEASE CONTACT:
HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/Domain/80>

<https://tea.texas.gov/cte>

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Level 1
Principles of Law, Public Safety,
Corrections, and Security

Level 2
Law Enforcement I
(Rotation/ 911 Dispatch/ Fire
Academy)

Level 3

Law Enforcement II

Level 4

Counseling and Mental Health

Forensic Science

Practicum in Law, Public Safety
Corrections, and Security

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Non- Commissioned Security Officer Level II	Law Enforcement Officer	Criminal Justice/Safety Studies/Law Enforcement Administration	Criminal Justice/Safety Studies/Law Enforcement Administration	Criminal Justice/Safety Studies/Law Enforcement Administration
Emergency Telecommunicator	Private Investigator/ Security Guard	Criminal Justice/ Police Science	Criminal Justice/ Police Science	Natural Resources Law Enforcement and Protective Services
	Code Enforcement Officer	Corrections	Juvenile Corrections	
	Certified Law Enforcement Planner	Criminalistics and Criminal Science	Cyber/ Computer Forensics and Counterterrorism	

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

Occupations	Median Wage	Annual Openings	% Growth
Police and Sheriff's Patrol Officers	\$60,112	5,241	13%
Probation Officers and Correctional Treatment Officers	\$44,054	793	9%
Correctional Officers and Jailers	\$40,186	4,683	9%
Immigration and Customs Inspectors	\$78,104	1,236	9%
First-Line Supervisors of Police and Detectives	\$91,312	253	25%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Texas Public Service Association; criminal justice clubs	Attend court hearings and other legal procedures

The Law Enforcement program of study teaches CTE learners about the development of, adherence to, and protection of various branches of law. Students will 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, 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 and Public Service program of study will fulfill requirements of the Public Service Endorsement. Revised - July 2020

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Law, Public Safety, Corrections, and Security	13029200 (1 credit)	None	9-12
Law Enforcement I	13029300 (1 credit)	None	10-12
Law Enforcement II	13029400 (1 credit)	None	10-12
Counseling and Mental Health	13024600 (1 credit)	None	11-12
Forensic Science	13029500 (1 credit)	PREQ: Biology and Chemistry	11-12
Practicum in Law, Public Safety, Corrections, and Security	13030100 (2 credits) 13030105 (3 credits)	None	11-12

FOR ADDITIONAL INFORMATION ON THE LAW AND PUBLIC SERVICE CAREER CLUSTER, PLEASE CONTACT:

HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/Domain/80>

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Level 1
Principles of Law, Public Safety,
Corrections, and Security

Court Systems and Practices

Level 2

Advanced Legal Skills and
Professions

Level 3

Practicum in Law, Public Safety,
Corrections, and Security

Level 4

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
	Attorney	Legal Assistant/ Paralegal	Legal Assistant/ Paralegal	Law
	Certified Paralegal			Intellectual Property Law
	Board Certification in Types of Law			Advanced Legal Research/ Studies, General
	Certified Legal Video Specialist			International Law and Legal Studies

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

Occupations	Median Wage	Annual Openings	% Growth
Lawyers	\$126,131	2,801	19%
Paralegal and Legal Assistants	\$50,544	2,837	19%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Attend court hearings and other legal procedures; Texas Public Service Association	Intern with a local attorney; script and conduct a mock trial

The Legal Studies program of study introduces CTE learners 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 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 INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Law, Public Safety, Corrections, and Security	13029200 (1 credit)	None	9-12
Court Systems and Practices	13029600 (1 credit)	None	10-12
Advanced Legal Skills and Professions	N1303016 (1 credit)	None	11-12
Practicum in Law, Public Safety, Corrections, and Security	13030100 (2 credits) 13030105 (3 credits)	None	11-12

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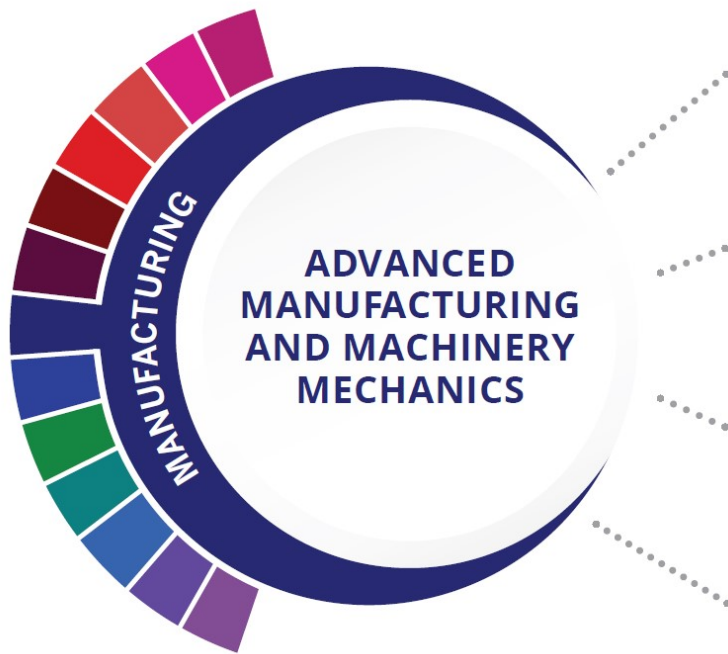
ADVANCED MANUFACTURING AND MACHINERY MECHANICS



Local Implementation Considerations:

Students completing two or more courses for two or more credits within a program of study earn concentrator status for Perkins V federal accountability reporting.

Proposed Indicator: Students finishing three or more courses for four or more credits with one course from level 3 or 4 within a program of study earn completer status for federal accountability reporting.



Level 1

Engineering Design and
Presentation I

Level 2

Robotics I

Robotics II

Level 3

Practicum in Manufacturing

Level 4

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
FANUC Robot Operator 1	Engineer, Professional	Electro- mechanical Engineering/ Technology	Electrical Engineering	Electrical Engineering
Mastercam Associate Level Certification	Certified Quality Technician	Certified Quality Technician	Industrial Engineering	Industrial Engineering
NCCER Industrial Maintenance Mechanic	Plant Maintenance Technologist	Industrial Mechanics and Maintenance Technology	Mechanical Engineering	Mechanical Engineering
NIMS Industrial Technology Maintenance - Maintenance Operations				

Occupations	Median Wage	Annual Openings	% Growth
Electro-Mechanical Assemblers	\$30,160	951	9%
Electro-Mechanical Technicians	\$56,555	127	9%
Industrial Machinery Mechanics	\$49,816	3,788	27%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Participate in SkillsUSA and local STEM events	Apprenticeship at a local business or industry American Welding Society

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

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 requirements of the Business and Industry or STEM endorsement if the math and science requirements are met. Revised - July 2020

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Applied Engineering	13036200 (1 credit)	None	9-10
Engineering Design and Presentation I	13036500 (1 credit)	PREQ: Algebra I	10-12
Robotics I	13037000 (1 credit)	None	9-10
Robotics II	13037050 (1 credit)	PREQ: Robotics I	10-12
Practicum in Manufacturing	13033000 (2 credits) 13033005 (3 credits)	None	12

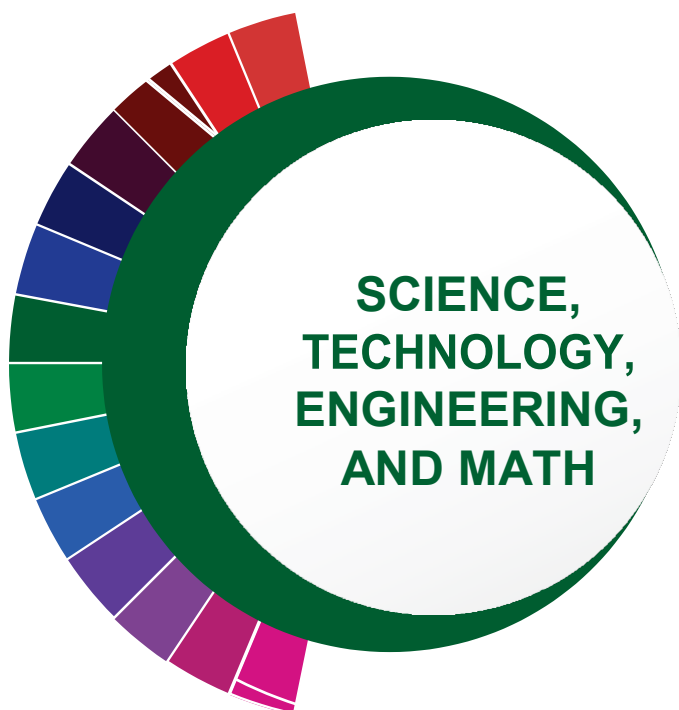
FOR ADDITIONAL INFORMATION ON THE MANUFACTURING CAREER CLUSTER, PLEASE CONTACT:

HEB ISD Career & Technical Education Department

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**BIOMEDICAL
SCIENCE**

CYBERSECURITY

ENGINEERING

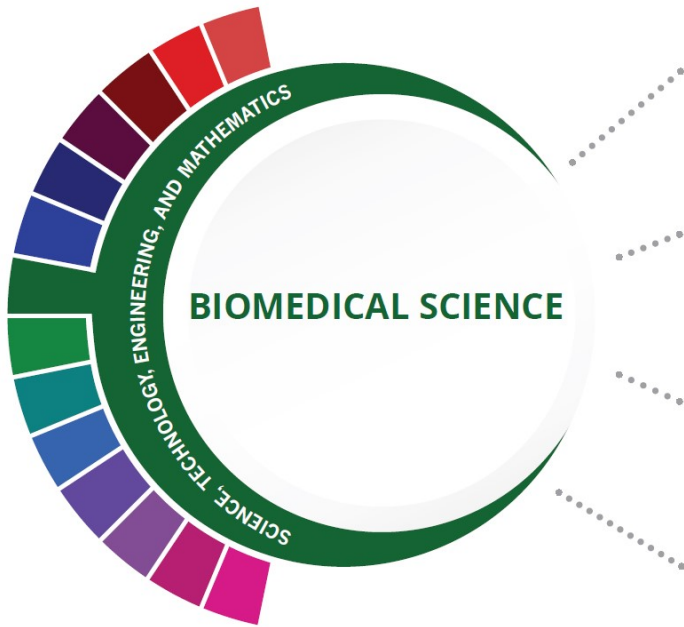
**PROGRAMMING
AND SOFTWARE
DEVELOPMENT**

**RENEWABLE
ENERGY**

Local Implementation Considerations:

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Students finishing three or more courses for four or more credits with one course from level 3 or 4 within a program of study earn completer status for federal accountability reporting.



Level 1

Level 2

Medical Microbiology

Level 3

Pathophysiology

Practicum in Science, Technology

Level 4

Engineering and Mathematics

Scientific Research and Design
(Honors Aerospace I)

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Medical Laboratory Assistant	Medical and Clinical Laboratory Technologists	Histologic Technician	Biomedical Engineers	Genetic Counseling
Medical Laboratory Technician		Clinical Laboratory Science/ Medical Technology/ Technologist	Biomedical Engineers	Medical Scientists
			Clinical Laboratory Science/ Medical Technology/ Technologist	Epidemiology

Occupations	Median Wage	Annual Openings	% Growth
Medical and Laboratory Technicians	\$37,981	1,159	28%
Biological Technicians	\$42,931	452	17%
Forensic Science Technicians	\$48,152	171	35%
Chemical Technicians	\$49,733	672	10%
Medical and Clinical Laboratory Technologists	\$58,760	1,166	25%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Health Occupations Students of America (HOSA)	Lab internship or shadow a healthcare or medical professional

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

The Biomedical Science program of study focuses on the study of biology and medicine in order to introduce CTE learners 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 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 Biomedical Science program of study will fulfill requirements of the Public Service or STEM endorsement if the math and science requirements are met.

Revised - July 2020

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Medical Microbiology	13020700 (1 credit)	PREQ: Biology and Chemistry	10-12
Pathophysiology	13020800 (1 credit)	PREP: Biology and Chemistry	11-12
Practicum in Science, Technology, Engineering, and Math	13037400 (2 credits) 13037405 (3 credits)	PREQ: Algebra I and Geometry	12
Scientific Research and Design	13037200 (1 credit)	PREQ: Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physics	11-12

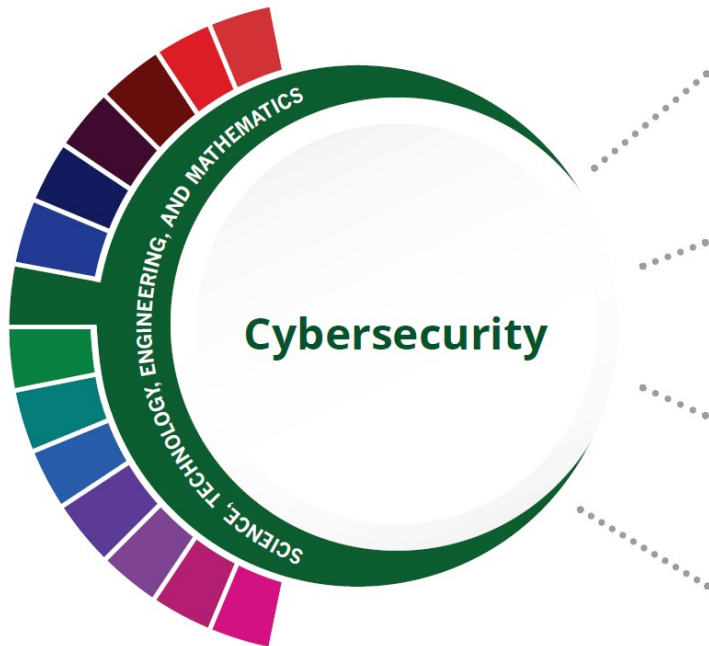
FOR ADDITIONAL INFORMATION ON THE SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS CAREER CLUSTER, PLEASE CONTACT:

HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/Domain/80>

<https://tea.texas.gov/cte>

Hurst -Euless-Bedford ISD offers career and technical education programs in Architecture & Construction, Arts, A/V Technology & Communications, Business, Marketing & Finance, Education & Training, Health Science, Hospitality & Tourism, Human Services, Information Technology, Law & Public Service, Manufacturing, Science, Technology, Engineering & Mathematics, Transportation, Distribution & Logistics. Admission to the program is based on interest and aptitude, age appropriateness, and class space availability. It is the policy of Hurst-Euless-Bedford ISD not to discriminate on the basis of race, color, national origin, sex or handicap, in its vocational programs, services, or activities 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. It is the policy of Hurst-Euless-Bedford ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment programs activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended. Hurst-Euless-Bedford ISD will take steps to assure that lack of English language skills not be a barrier to admission and participation in all educational and vocational programs. For information about your rights or grievance procedures, contact Title IX Coordinator, Christopher Hill at 1849 Central, Bedford, Texas 76022, 817-283-4461 and/or the Section 504 Coordinator, Carla Docken at 1849 Central, Bedford, Texas 76022, 817-283-4461.



	Principles of Information Technology
Level 1	Fundamentals of Computer Science
	Foundations of Cybersecurity
	Computer Science I
	AP Computer Science Principles
Level 2	Computer Maintenance
	Networking/Lab
	Digital Forensics
Level 3	AP Computer Science A-Math
	AP computer Science B-LOTE
	IB Computer Science Standard Level
	Cybersecurity Capstone
	Practicum in Information Technology
	Practicum in STEM
Level 4	Independent Study in Technology Applications
	IB Computer Science Higher Level- Math
	IB Computer Science Higher Level-LOTE

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Oracle Certified Associate Java SE 8	GIAC Reverse Engineering Malware	System Networking, and LAN/WAN Management	Computer Systems Networking and Telecommunications	Computer Systems Analysis/Analyst
Oracle Certified Database Associate	Certified Advanced Windows Forensic Examiner	Information Technology	Computer Systems Networking and Telecommunications	Information Technology
Cisco Certified Entry Networking Technician (CCENT)	SAP Certified Technology Professional System Security Architect	Computer and Information Sciences, General	Computer and Information Sciences, General	Computer and Information Sciences, General
CompTIA A+, Network+, Security+, and IT Fundamentals	Cisco Certified Network Professional Security Certification	Computer Science	Computer Science	Computer Science

Occupations	Median Wage	Annual Openings	% Growth
Information Security Analysts	\$91,915	814	29%
Network and Computer System Administrators	\$82,597	2,814	19%
Computer System Analysts	\$87,568	5,937	29%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Join TSA Job Shadow a computer system analyst or information security analyst.	Obtain an industry based certification.

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

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 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 Cybersecurity program of study will fulfill requirements of the Business and Industry or STEM endorsement if the math and science requirements are met. Revised - July 2020

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Information Technology	13027200 (1 credit)	None	9-10
Fundamentals of Computer Science	03580140 (1 credit)	None	9-12
Foundations of Cybersecurity	03580850 (1 credit)	None	9-12
Computer Science I	03580200 (1 credit)	PREQ: Algebra I	9-12
AP Computer Science Principles	A3580300 (1 credit)	None	9-12
Computer Maintenance	13027300 (1 credit)	PREQ: Principles of Information Technology	10-12
Networking/Lab	13027400 (1 credit) 13027410 (2 credits)	None	10-12
Digital Forensics	03580360 (1 credit)	None	9-12
AP Computer Science- MATH	A3580110 (1 credit)	None	9-12
AP Computer Science- LOTE	A3580120 (1 credit)	None	9-12
IB Computer Science Standard Level	I3580200 (2 credits)	None	9-12
Cybersecurity Capstone	03580855 (1 credit)	None	11-12
Practicum of Information Technology	13028000 (2 credit) 13028005 (3 credit)	PREQ: Two high school Information Technology courses	12

Hurst-Euless-Bedford ISD
SY 2022-2023

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Practicum in Science, Technology, Engineering and Mathematics	13037400 (2 credits) 13037405 (3 credits)	PREQ: Algebra I and Geometry	12
Independent Study in Technology Applications	03580900 (1 credit)	None	9-12
IB Computer Science Higher Level-MATH	I3580310 (1 credit)	None	9-12
IB Computer Science Higher Level- LOTE	I3580320 (1 credit)	None	9-12

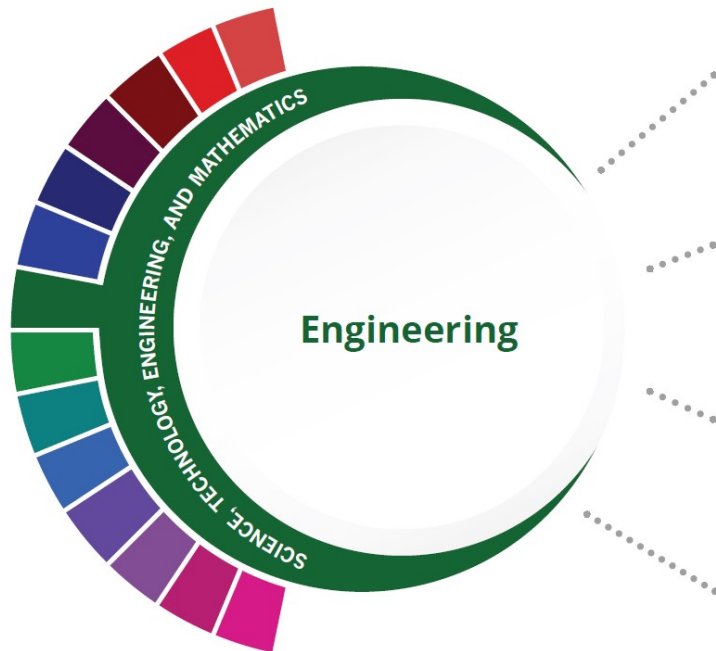
FOR ADDITIONAL INFORMATION ON THE SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS CAREER CLUSTER,
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HEB ISD Career & Technical Education Department

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Level 1

Level 2

Level 3

Level 4

Engineering Design and Presentation I

Engineering Science

Engineering Design and Problem Solving (Honors Aerospace I)

Engineering Design and Presentation II

Practicum in STEM

Scientific Research and Design (Honors Aerospace II)

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
Autodesk Certified Professional or User (ACU)-Inventor	Engineer, Professional	Electrical and Electronics Engineering	Electrical and Electronics Engineering	Electrical and Electronics Engineering
Certified SolidWorks Associate (CSWA)	Fluid Power Systems Designer	Drafting and Design Technology/Technician, General	CAD/CADD Drafting and/or Design Technology/Technician	Mechanical Engineering
Certified Engineering Technician-Audio Systems	Certified Biomedical Auditor	Engineering Technology	Bioengineering and Biomedical Engineering	Bioengineering and Biomedical Engineering
	Certified Cost Estimator/Analyst		Construction Engineering Technology/Technician	

Occupations	Median Wage	Annual Openings	% Growth
Aerospace Engineers	\$110,843	481	9%
Industrial Engineers	\$97,074	1,263	10%
Mechanical Engineers	\$91,107	1,535	11%
Chemical Engineers	\$112,819	474	9%
Electrical Engineers	\$98,405	1,137	10%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Participate in competitions like Skills USA	Engineering internship Job shadow a machinist

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

The Engineering program of study focuses on the design, development, and use of engines, machines, and structures. CTE learners 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 the Business and Industry or STEM endorsement if the math and science requirements are met. Revised - July 2020

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Applied Engineering	13036200 (1 credit)	None	9-10
Engineering Design and Presentation I	13036500 (1 credit)	PREQ: Algebra I	10-12
Engineering Science	13037500 (1 credit)	PREQ: Algebra I and Biology Chemistry, Integrated Physics, and Chemistry (IPC), or Physics	10-12
Engineering Design & Problem Solving	13037300 (1 credit)	PREQ: Algebra I and Geometry	11-12
Engineering Design and Presentation II	13036600 (2 credits)	PREQ: Algebra I and Geometry	11-12
Practicum in Science, Technology, Engineering, and Mathematics	13037400 (2 credits) 13037405 (3 credits)	PREQ: Algebra I and Geometry	12
Scientific Research & Design	13037200 (1 credit)	PREQ: Biology, Chemistry, Integrated Physics, and Chemistry (IPC), or Physics	11-12

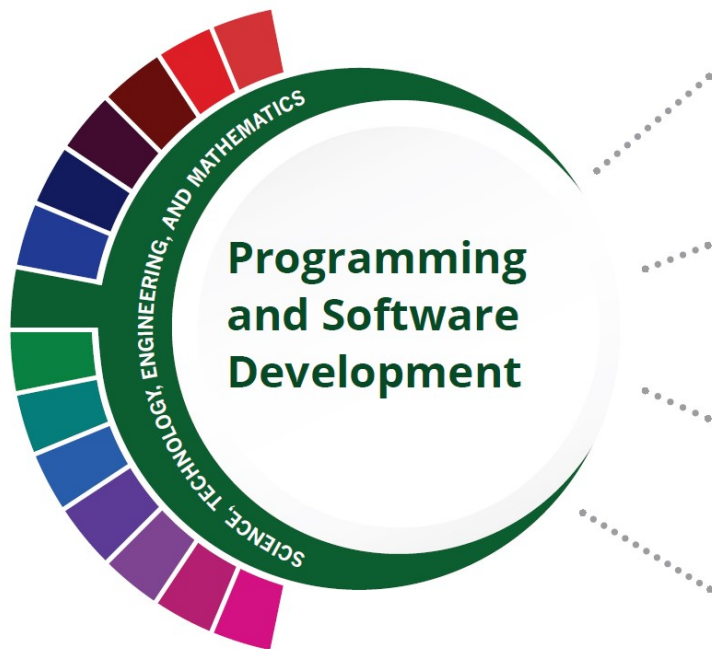
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Level 1

Fundamentals of Computer Science

AP Computer Science Principles

Level 2

Computer Science I

Level 3

AP Computer Science A, MATH

AP Computer Science A, LOTE

Computer Science II

IB Computer Science Standard Level

IB Computer Science Higher Level, LOTE

IB Computer Science Higher Level,
MATH

Practicum in Information Technology

Level 4

Practicum in Audio/Video Production

Practicum in Science, Technology,
Engineering, and Mathematics

Independent Study in Technology
Applications

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Oracle Certified Association JAVA SE 8 Programmer	Certified Computing Professional	Computer Programming/ Programmer General	Management Information Systems, General	Computer Software Engineer
Oracle Certified Database Associate	Cloud Technology Associate Certification	Computer Software Engineer	Computer Software Engineer	Computer Science
Microsoft Technology Associate, Introduction to Programming Using Python, HTML or CSS	AEM 6 Developer	Computer Science	Computer Science	Information Science/ Studies
Microsoft Technology Associate, Introduction to Programming Using Java or JavaScript	Certified Software Analyst	Certified Software Analyst	Information Science/ Studies	

Occupations	Median Wage	Annual Openings	% Growth
Software Developer, Systems Software	\$103,334	2,985	25%
Software Developers, Applications	\$104,499	6,311	30%
Computer Programmers	\$79,893	1,454	9%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
Join TSA Participate in coding club at school	Obtain an industry-based certification.

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

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 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 Programming and Software Development program of study will fulfill requirements of the Business and Industry and STEM endorsement if the math and science requirements are met. Revised - July 2020

COURSE INFORMATION

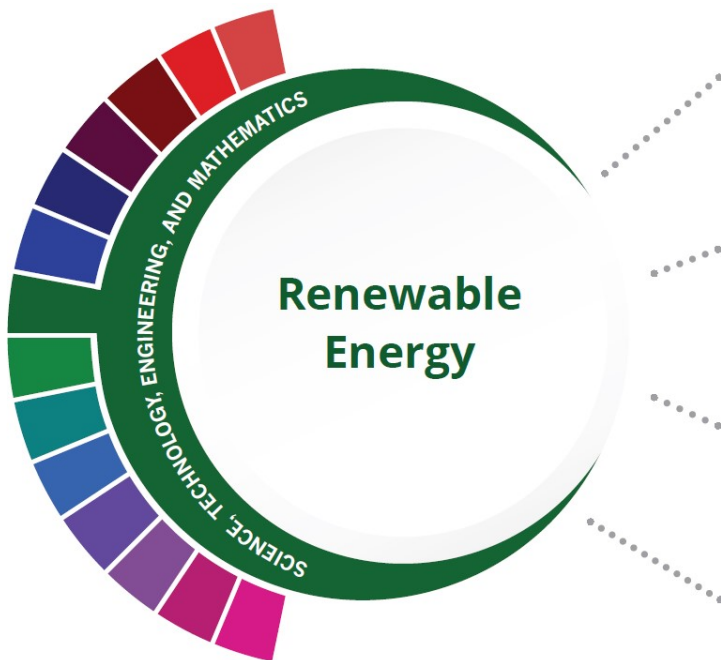
COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Fundamentals of Computer Science	03580140 (1 credit)	None	9-12
AP Computer Science Principles	A3580300 (1 credit)	None	9-12
Computer Science I	03580200 (1 credit)	PREQ: Algebra I	9-12
AP Computer Science A, MATH, LOTE	A3580110 (MATH) 1 credit) A3580120 (LOTE) (1 credit)	None	9-12
Computer Science II	03580300 (1 credit)	PREQ: Algebra I, Computer Science I, or Fundamentals of Computer Science	11-12
IB Computer Science Standard Level	I3580200 (2 credits)	None	9-12
IB Computer Science Higher Level MATH, LOTE	I3580310 (MATH) (1 credit) I3580320(LOTE) (1 credit)	None	9-12
Practicum in Information Technology	13028000 (2 credits) 13028005 (3 credits)	PREQ: Two high school information technology courses	12
Practicum in Audio/Video Production	13008700 (2 credits) 13008705 (3 credits)	PREQ: Audio/Video Production II Lab	11-12
Practicum in Science, Technology, Engineering, and Mathematics	13037400 (2 credits) 13037405 (3 credits)	PREQ: Algebra I and Geometry	12
Independent Study in Technology Applications	03580900 (1 credit)	None	12

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Principles of Applied Engineering

Level 1

Level 2

Scientific Research and Design
(Honors Aerospace I)

Level 3

Engineering Design and Problem
Solving
(Honors Aerospace II)

Level 4

Practicum in STEM

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
	Photovoltaic Installer- Level I Professional	Industrial Mechanics and Maintenance Technology	Surveying Engineering	Surveying Engineering
	Solar Photovoltaic Certification	Solar Energy/ Technology	Systems Engineering	Systems Engineering
	Small Wind Installer- Level I	Engineering, Mechanics	Engineering, Mechanics	Manufacturing Engineering
		Engineering, General	Engineering, General	Engineering, General
*Includes Level I and Level II Certificates				

Occupations	Median Wage	Annual Openings	% Growth
Wind Turbine Services Technician	\$51,334	387	108%
Solar Photovoltaic Installer	\$43,957	47	81%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Skills USA Science Club	Research four renewable energy companies and compare them.

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

The Renewable Energy program of study helps CTE learners discover to assemble, inspect, maintain, and repair different equipment required for renewable energy. It introduces students to solar photovoltaic equipment and wind turbines, the systems and processes used to maintain and manage these types of equipment, and helps students develop the skills needed to do so.



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 Renewable Energy program of study will fulfill requirements of the Business and Industry or STEM endorsement if the Math and Science requirements are met. Revised - July 2020

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Applied Engineering	13036200 (1 credit)	None	9-12
Scientific Research and Design	13037200 (1 credit)	PREQ: Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physics	11-12
Engineering Design and Problem Solving	13037300 (1 credit)	PREQ: Algebra I and Geometry	11-12
Practicum in STEM	13037400 (2 credits) 13037405 (3 credits)	PREQ: Algebra I and Geometry	12

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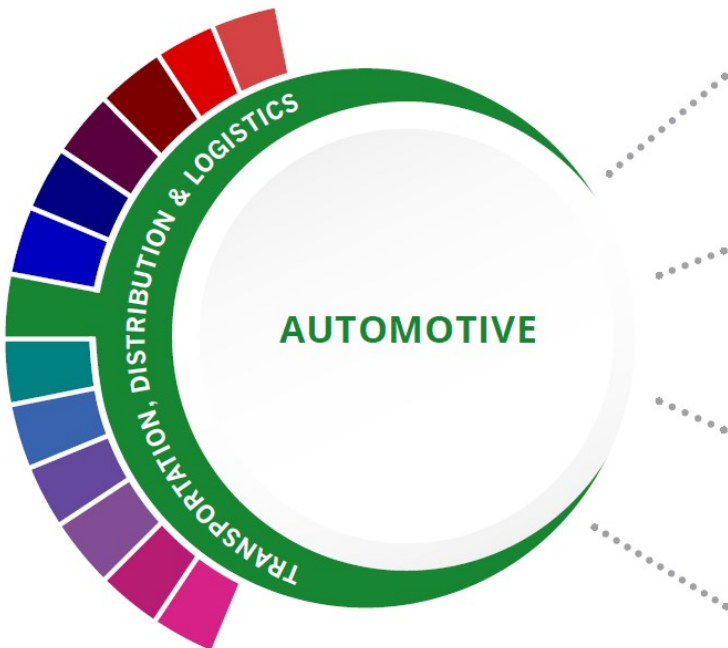
AUTOMOTIVE

DRONE (UNMANNED FLIGHT) REGIONAL PROGRAM OF STUDY

Local Implementation Considerations:

Students completing two or more courses for two or more credits within a program of study earn concentrator status for Perkins V federal accountability reporting.

Proposed Indicator: Students finishing three or more courses for four or more credits with one course from level 3 or 4 within a program of study earn completer status for federal accountability reporting.



Level 1

Automotive Basics

Level 2

Automotive Technology I

Level 3

Automotive Technology II/Lab

Level 4

Practicum in Transportation Systems

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Automotive Service Excellence (ASE) Entry Level	Master Collision Repair and Refinishing Technician	Autobody/ Collision and Repair Technology/ Technician		Mechanical Engineering
Automotive Service Excellence (ASE) Professional Level	Automobile Technician: various systems and parts	Medium/Heavy Vehicle and Truck Technology/ Technician		
	Engine Machinist Technician	Mechanical Engineering/ Mechanical Technology/ Technician	Mechanical Engineering/ Mechanical Technology/ Technician	
	Collision Repair and Refinish			

Occupations	Median Wage	Annual Openings	% Growth
Automotive Body and Related Repairers	\$40,144	1,456	25%
Automotive Service Technician and Mechanics	\$38,459	5,557	18%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
SkillsUSA competition Automotive Service Association	Work at a local automotive repair or body shop.

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

The Automotive program of study teaches CTE learners how to repair and refinish automobiles and service various types of vehicles. CTE learners 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

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Automotive Basics	13039550 (1 credit)	None	9-12
Automotive Technology I: Maintenance and Light Repair	13039600 (2 credits)	None	9-12
Automotive Technology II/Lab	13039700 (2 credits) 13039710 (3 credits)	PREQ: Automotive Technology I: Maintenance and Light Repair	11-12
Practicum in Transportation Systems	13040450 (2 credits) 13040455 (3 credits)	None	11-12

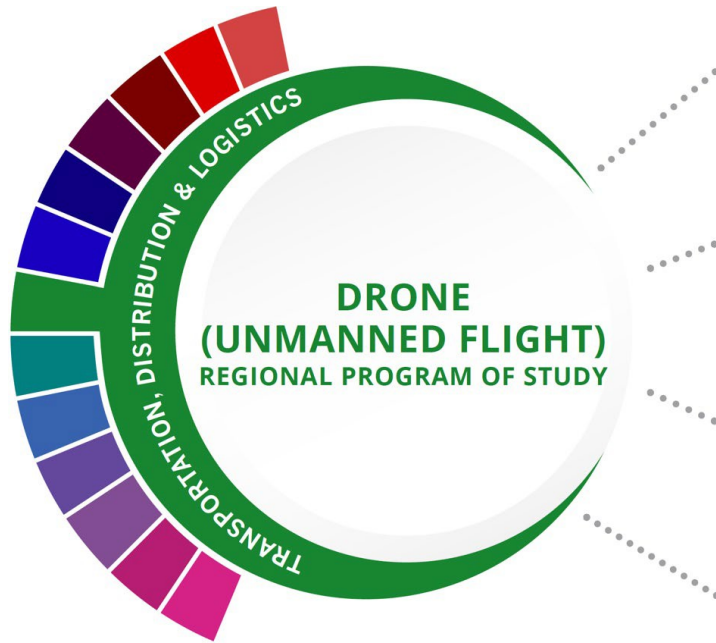
FOR ADDITIONAL INFORMATION ON THE TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CAREER CLUSTER, PLEASE CONTACT:

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Introduction to Unmanned Aerial Vehicles (UAV)

Level 1

Robotics I

Level 2

Robotics II

Engineering Science

Level 3

Practicum in Manufacturing

Scientific Research and Design
(Honors Aerospace I)

Level 4

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Part 107 Remote Drone Pilot	Commercial Pilots	Airline Pilots, Copilots, and Flight Engineers		

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org

Occupations	Median Wage	Annual Openings	% Growth
Aerospace Engineering and Operations Technicians	\$60,757	114	9%
Avionics Technicians	\$59,114	170	9%
Airline Pilots, Copilots, and Flight Engineers	\$165,130	1,150	9%
Commercial Pilots	\$86,310	548	9%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Participate in SkillsUSA Explore virtual aviation websites	Seek part-time work at an airport, aviation services agency, or airline

The Drone-Unmanned Flight regional program of study introduces CTE learners to the occupations and education opportunities related to operating or designing an unmanned aircraft using a ground-based controller and the systems of communications between the controller and the aircraft.



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 Drone (Unmanned Flight) regional program of study will fulfill requirements of the Business and Industry Endorsement or STEM Endorsement if the math and science requirements are met. See the regions approved to offer this program of study at <https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/regional-programs-of-study>. Revised - July 2020.

COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Introduction to Unmanned Aerial Vehicles (UAV)	N1304670 (1 credit)	None	10-12
Robotics I	13037000 (1 credit)	None	9-10
Engineering Science	13037500 (1 credit)	PREQ: Algebra 1, Biology, Chemistry, Integrated Physics and Chemistry (IPC) or Physics	10-12
Robotics II	13037050 (1 credit)	PREQ: Robotics I	10-12
Practicum in Manufacturing	13033000 (2 credits) 13033005 (3 credits)	None	11-12
Scientific Research and Design	13037200 (1 credit)	PREQ: Biology, Chemistry, Integrated Physics and Chemistry (IPC) or Physics	11-12

FOR ADDITIONAL INFORMATION ON TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CAREER CLUSTER, PLEASE CONTACT:

HEB ISD Career & Technical Education Department
<https://www.hebisd.edu/Domain/80>
<https://tea.texas.gov/cte>

Hurst -Euless-Bedford ISD offers career and technical education programs in Architecture & Construction, Arts, A/V Technology & Communications, Business, Marketing & Finance, Education & Training, Health Science, Hospitality & Tourism, Human Services, Information Technology, Law & Public Service, Manufacturing, Science, Technology, Engineering & Mathematics, Transportation, Distribution & Logistics. Admission to the program is based on interest and aptitude, age appropriateness, and class space availability. It is the policy of Hurst-Euless-Bedford ISD not to discriminate on the basis of race, color, national origin, sex or handicap, in its vocational programs, services, or activities 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. It is the policy of Hurst-Euless-Bedford ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment programs activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended. Hurst-Euless-Bedford ISD will take steps to assure that lack of English language skills not be a barrier to admission and participation in all educational and vocational programs. For information about your rights or grievance procedures, contact Title IX Coordinator, Christopher Hill at 1849 Central, Bedford, Texas 76022, 817-283-4461 and/or the Section 504 Coordinator, Carla Docken at 1849 Central, Bedford, Texas 76022, 817-283-4461.

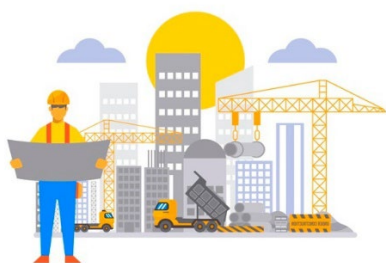
CAREER AND TECHNICAL EDUCATION

Some courses may not be offered at all campuses. Class enrollment numbers may affect class offerings in Career and Technical Education classes.

ARCHITECTURE & CONSTRUCTION



Architecture &
Construction



ARCHITECTURAL DESIGN I (ARCHDSN1 13004600)

Prerequisite:	Algebra I & English I	Credit:	1	GPA: Tier I
Grade Level:	10-11	Trimesters:	2 - 2 period block	

This course is designed to give the student knowledge of architecture and drafting with a focus on residential design, construction, and real world application. Students will be introduced to many facets of drafting and design on the Autodesk program, Revit. Upon completion of this class, students will have gained skills in architectural sketching and drafting, 2D plans and 3D modeling, knowledge in construction materials and information on the scheduling process. Students will also become proficient in saving materials in multiple file formats on their individual student directories. ***This course meets the technology requirement for High School graduation.***

ARCHITECTURAL DESIGN II (ARCHDSN2 13004700)

Prerequisite:	Architectural Design I Teacher approval required	Credit:	2	GPA: Tier I
Grade Level:	11-12	Trimesters:	2 - 2 period block	

This course is an extension of Architectural Design I and will build on the skills and knowledge learned but take them in greater depth. This course will include knowledge of design, design history, techniques, and tools related to the production of renderings, drawings, and scaled models for residential and non-residential purposes. Students will also learn professional standards and employability skills that will be put into practice throughout the class on their design projects and presentations, as well as class participation and interactions. Students will be prepared for and required to test for the Autodesk Revit User certification. Teacher approval is required to take this course as well as meeting the rubric requirements for eligibility. ***An accelerated class with Tier II GPA is available for qualified students.***

PRACTICUM IN ARCHITECTURAL DESIGN (PRACADS1 13004800)

Prerequisite:	Architectural Design II Teacher approval required	Credit:	2	GPA: Tier I
Grade Level:	12	Trimesters:	2 - 2 period block	

This practicum course is designed to give students a supervised practical application of previously studied knowledge and skills. Practicum is self-paced and can occur in a variety of locations. Students are expected to build their skills, confidence, and their portfolio with individual projects. Teacher approval is required to take this course as well as having passed the Autodesk Revit User certification and meeting the rubric requirements for eligibility.

EXTENDED PRACTICUM IN ARCHITECTURAL DESIGN (EXPRADS1 13004805)

Prerequisite:	Architectural Design II Teacher approval required	Credit:	3	GPA: Tier I
Grade Level:	12	Trimesters:	3 - 2 period block	

This extended practicum course is designed to give students a supervised practical application of previously studied knowledge and skills. Practicum is self-paced and can occur in a variety of locations. Students are expected to build their skills, confidence, and their portfolio with individual projects. Teacher approval is required to sign up for this course as well as maintaining a 90 or better average in Architecture II and specifically on their employability skills and having passed the Autodesk Revit User certification exam.

INTERIOR DESIGN I (INTERDS1 13004300)

Prerequisite:	Algebra I and English I	Credit:	1	GPA: Tier I
Grade Level:	10-11	Trimesters:	2 - 2 period block	

This is a project-based learning experience that allows the student to apply basic design principles that enhance the environments in which they live and work. The student has an opportunity to utilize a variety of resources, advanced technologies, and communication skills in the development and presentation of projects that will help them compete in industry.

INTERIOR DESIGN II (INTERDS2 13004400)

Prerequisite:	Interior Design I Teacher approval required	Credit:	2	GPA: Tier I
Grade Level:	11-12	Trimesters:	2 - 2 period block	

This project-based learning class allows the students to delve further into the design principles that enhance the environments in which they live and work. The student have the opportunity to use design resources, and advanced technologies to develop and present projects that will help them learn more about and compete in the design industry.

ARTS, AV TECHNOLOGY & COMMUNICATIONS



Arts, A/V
Technology &
Communications



PROFESSIONAL COMMUNICATIONS (PROFCOMM 13009900)

Prerequisite:	None	Credit:	½	GPA: Tier I
Grade Level:	8-12	Semester/Trimester:	1	

Just about every field in today's job market uses communication and technology. This course will help students develop the effective communication skills necessary for successful participation in professional and social life. Professional Communication blends written, oral, and graphic communication in a career-based environment. The jobs of tomorrow will need students who are comfortable with technology, and are creative and effective communicators. The great news is that by the end of this course the learner will be comfortable, efficient, and poised for success when given the opportunity to speak in public. *This course meets the speech requirement for High School graduation and counts toward all endorsements.*

ANIMATION I (ANIMAT1 13008300)

Prerequisite:	None	Credit:	1	GPA: Tier I
Grade Level:	10-11	Trimesters:	2 - 2 period block	

Animation I is an introduction to 2D and 3D animation. Skills learned in Animation will prepare students for a possible future in the television/movie industry in the areas of animation, character and story development, special effects, and motion graphics. In addition, this course is designed for students that want to pursue careers in video gaming (character and level design), advertising, scientific visualization, medical animation, and interactive applications. The basic principles of design and animation will be covered. Students will be required to obtain a certification in Cyber Safety Awareness. *This course meets the technology requirement for High School graduation.*

ANIMATION II WITH LAB (ANILAB2 13008410)

Prerequisite:	Animation I Teacher approval required	Credit:	2	GPA: Tier I
Grade Level:	11-12	Trimesters:	2 - 2 period block	

This higher-level course continues to build on student's knowledge of 3D modeling, texturing, lighting, rendering and animation. Students will also continue to build their skills in 2D animation with Adobe Animate. Students must take the Adobe Animate or Autodesk Maya certification exam as part of the course content. Students will also focus on building a strong portfolio and with individual instructor analysis of each student's strengths and passions; they will build their skills and confidence for entry in to the workforce or postsecondary institutions. Students will take the lab course concurrently with this course. It will allow them time to build their skills, their confidence, and their portfolio with hands-on applications and individual projects. Teacher approval is required to take this course as well as meeting rubric requirements for eligibility.

VIDEO GAME DESIGN (VIDGD 13009970)

Prerequisite: None	Credit: 1	GPA: Tier I
Grade Level: 10-12	Trimesters: 2 - 2 period block	

This course will introduce students to the beginning stages of concept art and game play mechanics. Students will also begin to learn how to create beautiful environments, characters and objects, and how to take those original art assets and begin to bring them to life through game play logic and interaction design. *This course meets the technology requirement for High School graduation.*

VIDEO GAME PROGRAMMING (VIDEOPR N1300994)

Prerequisite: Video Game Design Teacher approval required	Credit: 1	GPA: Tier I
Grade Level: 11-12	Trimesters: 2 - 2 period block	

This higher-level course will take students from the beginning stages of game play mechanics all the way to completed playable online games. Building on knowledge and skills gained from the previous course, students will learn how to take original art assets and bring them to life through game play logic and interaction design.

ADVANCED VIDEO GAME PROGRAMMING (N1300995)

Prerequisite: Video Game Programming Teacher approval required	Credit: 1	GPA: Tier I
Grade Level: 11-12	Trimester/Semester: 1 - 2 period block	

This higher-level course will give students a more focused class on the programming aspects of video game developments. Building on knowledge and skills gained from the previous course, students in this class will further implement the game play logic and interactive design using technology within the field of Video Game Programming at an advanced level. This course will help grow their professional knowledge so that they are ready for out of high school opportunities both in college and in the field. Students will also learn about career opportunities in the Video Game Design/Programming field.

PRACTICUM IN ANIMATION (PRACANI1 13008450)

Prerequisite: Animation I & II Teacher approval required	Credit: 2	GPA: Tier I
Grade Level: 12	Trimesters: 2 - 2 period block	

Practicum in Animation is a high level, independent study of the art and technique of animation as applied to film, broadcasting, and the web. Students will have a chance to focus on their study in a particular area including 3D character animation, 2D character animation, modeling, character design, texturing, dynamics and particle effects, 3D scientific visualizations, and medical animation. This course is designed specifically for students that are preparing to major in this discipline in college. Students will complete both individual and group projects. Teacher approval is required to take this course as well as having passed the Adobe Animate or Autodesk Maya certification and meeting rubric requirements for eligibility.

EXTENDED PRACTICUM IN ANIMATION (EXPRANI1 13008455)

Prerequisite: Animation I & II Teacher approval required	Credit: 3	GPA: Tier I
Grade Level: 12	Trimesters: 3 - 2 period block	

Extended Practicum in Animation is the same experience as Practicum in Animation except the student gets to continue the experience for the entire school year and will be able to build a portfolio of projects. Extended Practicum is also a high-level study of the art and technique of animation as applied to film, broadcasting, and the web. Students will have a chance to focus on their study in a particular area including 3D character animation, 2D character animation, modeling, character design, texturing, dynamics and particle effects, 3D scientific visualizations, and medical animation. This course is designed specifically for students that are preparing to major in this discipline in college. Students will complete both individual and group projects. Teacher approval is required to take this course as well as having passed the Adobe Animate certification or Autodesk Maya certification and meeting rubric requirements for eligibility.

GRAPHIC DESIGN AND ILLUSTRATION I (GRAPHDI1 13008800)

Prerequisite:	None	Credit:	1	GPA: Tier I
Grade Level:	10-11	Trimesters:	2 - 2 period block	

Graphic Design and Illustration implements the learning of design, and the use of artistic and creative thinking. Students will use technology and will learn about career opportunities as a graphic designer. Students in this course will produce various real-world projects and illustrations, which they can use to build their portfolios. Students will also prepare to take the Adobe Photoshop certification test. *This course meets the technology requirement for high school graduation.*

GRAPHIC DESIGN AND ILLUSTRATION II WITH LAB (GRDLAB2 13008910)

Prerequisite:	Graphic Design and Illustration I Teacher approval required	Credit:	2	GPA: Tier I
Grade Level:	11-12	Trimesters:	2 - 2 period block	

Graphic Design and Illustration II will further the learning of design, artistic thinking and creative occupation using technology within the field of Graphic Design. Students will learn about career opportunities in Graphic Design at an advanced level that will help grow their professional knowledge so that they are ready for out of high school opportunities both in college and in the field. Students in this course will continue to build their portfolios. Students will be evaluated on their knowledge of Photoshop and industry areas.

PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION (PRACGRD1 13009000)

Prerequisite:	Graphic Design II Teacher approval required	Credit:	2	GPA: Tier I
Grade Level:	12	Trimesters:	2 - 2 period block	

This supervised practicum experience will further the learning of design, artistic thinking and creative occupation using technology within the environment of a professional studio or work place. Students will work at a professional level in the Graphic Design field, which will grow their knowledge of opportunities both in college and in their future careers. Students will have opportunities to continue to build their portfolios.

EXTENDED PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION (EXPRGRD1 13009005)

Prerequisite:	Graphic Design I & II Teacher approval required	Credit:	3	GPA: Tier I
Grade Level:	12	Trimesters:	3 - 2 period block	

This extended practicum course is designed to extend the supervised practical application of the student's learning in the field of Graphic Design. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. The extended practicum course allows students to participate in this capstone experience for the full year.

AUDIO/VIDEO PRODUCTION I (AVPROD1 13008500)

Prerequisite:	None	Credit:	1	GPA: Tier I
Grade Level:	10-11	Trimesters:	1 - 2 period block	

This technical laboratory course provides an understanding of the various careers in audio/visual production fields. Students are introduced to videography, video editing, computer generated graphics, video studio production, and digital special effects. *This course meets the technology requirement for high school graduation.*

AUDIO/VIDEO PRODUCTION II WITH LAB (AVPLAB2 13008610)

Prerequisite:	A/V Production I Teacher approval required	Credit:	2	GPA: Tier I
Grade Level:	11-12	Trimesters:	2 - 2 period block	

Instruction is designed to provide job-specific training for entry-level employment in movie, video, and television production careers. This class includes operation of different video camera types, advanced video editing techniques, creation of media graphics and special effects, script writing, lighting direction, and set design.

PRACTICUM IN AUDIO/VIDEO PRODUCTION (PRACAVP1 13008700)

Prerequisite:	A/V Production II Teacher approval required	Credit:	2	GPA: Tier I
Grade Level:	12	Trimesters:	2 - 2 period block	

This supervised practicum experience is designed to give previous A/V Production II students the chance to work for real-world clients, compete in local, state, and national animation or video contests and work on a demo reel and resume' that can be used in marketing themselves after high school. *An accelerated class with Tier II GPA is available for qualified students passing the certification tests at the expert level.*

EXTENDED PRACTICUM IN AUDIO/VIDEO PRODUCTION (EXPRAVP1 13008705)

Prerequisite:	A/V Production II Teacher approval required	Credit:	3	GPA: Tier I
Grade Level:	12	Trimesters:	3 - 2 period block	

This extended practicum course is designed to extend the supervised practical application of the student's previous learning and experience in this program. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. The extended practicum course allows students to participate in this capstone experience for the full year. *An accelerated class with Tier II GPA is available for qualified students passing the certification tests at the expert level.*

COMMERCIAL PHOTOGRAPHY I (CPHOTO1 13009100)

Prerequisite:	none	Credit:	1	GPA: Tier I
Grade Level:	10-11 <i>(THS only)</i>	Trimesters:	2	

This activity-based course provides a basic introduction into the exciting and creative world of visual communications via the photographic process. Emphasis will be placed on traditional film processes, using and controlling a 35mm camera system, capturing and processing digital images, and learning the rules of composition and design. A \$25.00 lab fee will be required to cover the cost of student projects and students will provide their own SD card. It is advisable for the student to have his or her own camera.

COMMERCIAL PHOTOGRAPHY II (CPHOTO2 13009200)

Prerequisite:	Commercial Photography I	Credit:	1	GPA: Tier I
Grade Level:	11-12 <i>(THS only)</i>	Trimesters:	2	

This activity based course further implements the teaching of composition, graphic design, and artistic thinking by using technology in the field of photography. Students will continue to hone their skills by designing, creating, and writing content for the school's first photography magazine. Students will work on a portfolio of their work, enter photos into competition, and learn and possibly earn certification in the following software programs: Adobe Photoshop, Adobe InDesign, and Adobe Illustrator. It is advisable for the student to have his or her own camera.

PRACTICUM IN COMMERCIAL PHOTOGRAPHY (PRACCPH1 13009250)

Prerequisite:	Commercial Photography II Teacher approval required	Credit:	2	GPA: Tier I
Grade Level:	12 <i>(THS only)</i>	Trimesters:	2 - 2 period block	

This course allows advanced photography students, who have successfully completed Commercial Photography I and II, to gain knowledge and apply their skills beyond the classroom. Students in this course will be paired up with local industry professionals where students would gain real world experience and test to earn industry certifications

EXTENDED PRACTICUM IN COMMERCIAL PHOTOGRAPHY (EXPRCPH1 13009255)

Prerequisite:	Commercial Photography II Teacher approval required	Credit:	3	GPA: Tier I
Grade Level:	12 <i>(THS only)</i>	Trimesters:	3 - 2 period block	

This course also allows advanced photography students, who have successfully completed Commercial Photography I and II, to gain knowledge and apply their skills beyond the classroom. This course is for students who are able to commit to a learning experience for the full school year. Students in this course will be paired up with local industry professionals where students would gain real world experience and test to earn industry certifications.

BUSINESS, MARKETING & FINANCE



Business,
Marketing &
Finance



ACCOUNTING I (ACCOUNT1 13016600)

Prerequisite:	None	Credit:	1	GPA: Tier I
Grade Level:	10-11	Trimesters:	2	

Students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, social, legal, and ethical factors. Emphasis is placed on the accounting equation and its application to basic steps of the accounting cycle, special journals and ledgers, worksheets, adjusting and closing entries, purchase and sale of merchandise, notes and interest, depreciation, accruals and prepaid items, payroll records, and personal income taxes. Students complete practice sets or simulations using computer software.

ACCOUNTING II (ACCOUNT2 13016700)

Prerequisite:	Accounting I	Credit:	1	GPA: Tier I
Grade Level:	11-12	Trimesters:	2	

This course provides a review and further development of fundamental accounting principles with extensive use of technology. Accounting II provides experience in initiating and maintaining an accounting system and in analyzing, interpreting, and synthesizing managerial problems using accounting information as a tool, and develops skill in applying principles used in accounting systems and methods commonly found in business.

TOUCH SYSTEM DATA ENTRY (TSDATAE 13011300)

Prerequisite:	None	Credit:	½	GPA: Tier I
Grade Level:	7-9 (10-12 KEYS only)	Semester/Trimester:	1	

In this course students develop keyboarding and touch typing skills as well as correct typing techniques via the use of the computer. Students are taught advanced word processing skills and design concepts in desktop publishing. Students become proficient in the use of computers to enhance their preparation of college and/or their occupation.

BUSINESS INFORMATION MANAGEMENT I (BUSIM1 13011400)

Prerequisite: None	Credit: 1	GPA: Tier I
Grade Level: 8-12	Semesters/Trimesters: 2	

This course provides orientation to word processing, database, spreadsheet and multi-media presentation applications. Students implement personal and interpersonal skills to strengthen individual performance in the workplace, in society, and to make a successful transition to the workforce and/or post-secondary education. Students apply technical skills to address business applications for emerging technologies. *This course meets the technology requirement for high school graduation.*

BUSINESS INFORMATION MANAGEMENT II (BUSIM2 13011500)

Prerequisite: Business Information Management I	Credit: 1	GPA: Tier I
Grade Level: 9-12	Semesters/Trimesters: 2	

This course provides students with advanced technology skills required by the business environment. Applications include using work place standard technologies in word processing, spreadsheet, multimedia presentation, and database applications. Students will have the opportunity to test for Microsoft Certified Application Specialists certifications in PowerPoint, Word, Excel and Access. *An accelerated class with Tier II GPA is available for qualified students passing the certification tests at the expert level.*

PRINCIPLES OF BUSINESS, MARKETING & FINANCE (PRINBMF 13011200)

Prerequisite: None	Credit: 1	GPA: Tier I
Grade Level: 9-11	Semesters/Trimesters: 2	

In this course students learn the basics of business practices as they apply to domestic and international businesses. Students will learn various marketing strategies and gain an understanding of the fundamental principles of money as they apply to businesses and economies. They will also examine various aspects of personal financial management and develop an individual career plan.

GLOBAL BUSINESS (GLOBBUS 13011800)

Prerequisite: None	Credit: ½	GPA: Tier I
Grade Level: 10-12	Trimester: 1	

The world's economy is increasingly global. Culture, language, political systems, geography, and socio-economic factors all influence a company's business practices. To help prepare for a career in any facet of the business world (accounting, finance, marketing, information technology, law, healthcare, etc.) this course will provide students with insights into global, economic and business climates that will help them develop an appreciation, knowledge, skills and abilities to live and work in a global society.

VIRTUAL BUSINESS (VIRTBUS 13012000)

Prerequisite: None	Credit: ½	GPA: Tier I
Grade Level: 10-12	Trimester: 1	

Virtual Business is designed for students to start a virtual business by creating a web presence, conducting online and off-line marketing, examining contracts appropriate for an online business, and demonstrating project-management skills. Students will also demonstrate bookkeeping skills for a virtual business, maintain business records, and understand legal issues associated with a virtual business.

BUSINESS ENGLISH (BUSENGL 13011600)

Prerequisite: English III	Credit: 1	GPA: Tier I
Grade Level: 12	Trimester: 2	

This course prepares students for appropriate and effective business communication skills. Students will enhance their oral and written communication skills and their research skills by applying them in the business environment. Students will learn to write professional documents such as emails and memos correctly, how to write and maintain a blog, how to create and maintain a resume and cover letter. Students will also work on interview and employability skills. *This course does not meet NCAA eligibility for a fourth English credit. This course meets the advanced English (English 4) requirement for high school graduation.*

ADVERTISING (ADVERTIS 13034200)

Prerequisite:	None	Credit:	½	GPA: Tier I
Grade Level:	10-12	Trimester:	1	

This course focuses on the concepts and skills associated with the dynamic advertising industry. Students will learn the goals and objectives of advertising, identify and analyze advertisements, select media, and develop advertisements. Self-development will be a component throughout this marketing course to gain knowledge about career opportunities, requirements, and skills related to business and marketing.

ENTREPRENEURSHIP (ENTREP 13034400)

Prerequisite:	None	Credit:	1	GPA: Tier I
Grade Level:	10-12	Trimesters:	2	

In this course, students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired, and the potential for profit.

SPORTS & ENTERTAINMENT MARKETING (SPORTSEM 13034600)

Prerequisite:	None	Credit:	½	GPA: Tier I
Grade Level:	10-12	Trimester:	1	

This course provides an overview of the functions of marketing in relationship to the sports and entertainment fields in a diverse and global society. This fascinating service area is an expanding career pathway where successful completion will assist students in developing knowledge of career possibilities with a fundamental knowledge of the sports and entertainment industries. Students will be able to apply their skills in marketing and non-marketing careers.

SOCIAL MEDIA MARKETING (SMEDMKTG 13034650)

Prerequisite:	None	Credit:	½	GPA: Tier I
Grade Level:	10-12	Trimester:	1	

This course provides an overview of the functions of marketing within the social media arena. This fascinating new service area is an expanding career pathway where successful completion will assist students in developing knowledge of career possibilities with a fundamental knowledge of the commercial aspects of social media. Students will be able to apply their skills in marketing and non-marketing careers.

PRACTICUM IN MARKETING (PRACMKT1 13034800)

Prerequisite: 1 credit in the Bus., Market, & Fin. Career Cluster Teacher Approval required	Credit:	2	GPA: Tier I
Grade Level: 12	Trimesters:	2 - 2 period block	

This practicum course provides an opportunity for students pursuing a marketing pathway to take an advanced class and to gain some real world experience, learn from experts in the field, and network with professionals. Students will maintain an internship or job in a marketing field and will be evaluated by the classroom teacher in conjunction with and with feedback from the supervisor from their placement.

EXTENDED PRACTICUM IN MARKETING (EXPRMKT1 13034805)

Prerequisite: 1 credit in the Bus., Market, & Fin. Career Cluster Teacher Approval required	Credit:	3	GPA: Tier I
Grade Level: 12	Trimesters:	3 - 2 period block	

This extended practicum course provides an opportunity for students pursuing a marketing pathway to take an advanced class and to gain some real world experience, learn from experts in the field, and network with professionals. Students in this class will secure an internship or job in a marketing field for the entire school year and will be evaluated by the classroom teacher in conjunction with and with feedback from the supervisor from their placement.

EDUCATION AND TRAINING



Education & Training



HUMAN GROWTH AND DEVELOPMENT (HUGRDEV 13014300)

Prerequisite:	None	Credit:	1	GPA: Tier I
Grade Level:	10-11	Trimesters:	2	

Human Growth and Development is a hands-on class that would be beneficial for students going into a number of careers. Many guest speakers and some field trips enhance the experience. The class is also a recommended prerequisite for the Instructional Practices course. It is an examination of human development across the lifespan with emphasis on theoretical perspectives and common physical, emotional, and social developmental milestones. This course covers material often taught at a university level. Some of the careers where students would find this background helpful would be: Education-teachers, coaches, teaching in business and industry, sports and fitness programs, school counselors, speech specialists, librarians, and psychologists. Human Services-counseling and mental health services, consumer services, home care aide, childcare worker, clinical psychologist, and social worker. *The class is also a recommended prerequisite for the Instructional Practices course. Successful completion of two trimesters fulfills the Health graduation requirement.*

PRINCIPLES OF EDUCATION AND TRAINING (PRINEDTR 13014200)

Prerequisite:	Human Growth and Development recommended	Credit:	1	GPA: Tier I
Grade Level:	11-12	Trimesters:	1 - 2 period block	

This course will be an advanced course in the field of Education, which will give students an overview of basic Educational practices and will allow them to have some practical experiences with teaching under supervision in the classroom.

INSTRUCTIONAL PRACTICES (INPRAC 13014400)

Prerequisite:	Human Growth and Dev recommended	Credit:	2	GPA: Tier I
Grade Level:	11-12	Trimesters:	2 - 2 period block	

This is a predominantly field-based course that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students spend some time in the hands-on classroom at the BCTEA, but most of the trimester is spent in actual classrooms working alongside master teachers interacting directly with students in an elementary or secondary school in the subject area or their choosing. Students learn to plan and direct individualized instruction and group activities, and prepare instructional materials and complete other responsibilities of teachers. This course provides student an excellent opportunity to experience the rewarding career of education.

PRACTICUM IN EDUCATION AND TRAINING (PRACEDT1 13014500)

Prerequisite:	Instructional Practices Teacher approval required	Credit:	2	GPA: Tier I
Grade Level:	12	Trimesters:	2 - 2 period block	

This field-based internship continues to provide students with background knowledge in child and adolescent development principles as well as principles of effective teaching. Students will work under the joint direction and supervision of both their teacher at the BCTEA and a teacher at the elementary or secondary campus of their choosing. This is a more in-depth study and covers some topics that were not covered in the Practices class such as classroom management, assessment and more practical hands-on instructional strategies.

EXTENDED PRACTICUM IN EDUCATION AND TRAINING (EXPREDT1 13014505)

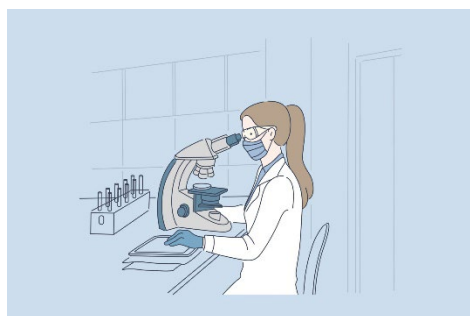
Prerequisite:	Instructional Practices Teacher approval required	Credit:	3	GPA: Tier I
Grade Level:	12	Trimesters:	3 - 2 period block	

This extended field-based internship continues to provide students with background knowledge in child and adolescent development principles as well as principles of effective teaching. This practicum is for students who are able to commit to a learning experience for the entire school year. Students will work under the joint direction and supervision of both their teacher at the BCTEA and a teacher at the elementary or secondary campus of their choosing. This is a more in-depth study and covers some topics that were not covered in the Practices class such as classroom management, assessment and more practical hands-on instructional strategies.

HEALTH SCIENCE



Health Science



PRINCIPLES OF HEALTH SCIENCE (PRINHLSC 13020200)

Prerequisite:	None	Credit:	1	GPA: Tier I
		GPA: Tier I		
Grade Level:	10-11	Trimesters:	2	

A course designed to develop health care specific knowledge and skills in effective communications, ethical and legal responsibilities, client care, safety, first aid, and CPR. This course prepares the student for the transition to clinical or work based experiences in health care. **Successful completion of 2 trimesters fulfills the health graduation requirement.**

MEDICAL TERMINOLOGY (MEDTERM 13020300)

Prerequisite: None College Text required	Credit: 1 GPA: Tier I
Grade Level: 11-12	Trimesters: 2

A course designed to develop a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots, and abbreviations. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care.

HEALTH SCIENCE THEORY/CLINICAL ROTATION (HLSCLIN 13020410)

Prerequisite: Principles of Health Science Teacher approval required	Credit: 2 GPA: Tier I
Grade Level: 11-12	Trimesters: 2 - 2 period block

This course is designed to provide for the development of multi-occupational knowledge and skills related to a wide variety of health careers. Students will have hands-on experiences for continued knowledge and skill development in the classroom and, twice weekly in the hospital setting with exposure to several clinical areas. **Participation in this course will require students to meet the vaccination and testing requirements set by our healthcare partners. An accelerated class with Tier II GPA is available for qualified students.**

HEALTH SCIENCE THEORY/CLINICAL SITE (HLSCLIN 13020410)

Prerequisite: Principles of Health Science Teacher approval required Must provide own transportation	Credit: 2 GPA: Tier I
Grade Level: 11-12 (must be 17 years old by the start of third trimester)	Trimesters: 2 - 2 period block

This course is designed to provide for the development of extended knowledge and skills related to a particular health career. Students will have hands-on experiences that will continue their knowledge and skill development both in the classroom and on site at individually designated health facilities. **Participation in this course will require students to meet the vaccination and testing requirements set by our healthcare partners. An accelerated class with Tier II GPA is available for qualified students.**

HEALTH SCIENCE THEORY/FIRE ACADEMY (HLTHSCI 13020400)

Prerequisite: Principles of Health Science or Principles of Law & Public Safety Teacher approval required	Credit: 1 GPA: Tier I
Grade Level: 11 (must be 17 years old)	Trimesters: 2

This course is designed to prepare students for their EMT class and certification and for the development of extended knowledge and skills related to a firefighter career. Students will have hands-on experiences that will continue their knowledge and skill development both in the classroom and at the fire stations.

HONORS HEALTH SCIENCE THEORY/CLINICAL PATIENT CARE TECHNICIAN (HLSCLIN 13020410)

Prerequisite: Principles of Health Science/ fee for study guide and practice tests required; Teacher approval required	Credit: 2 GPA: Tier II
Grade Level: 12	Trimesters: 2 - 2 period block

This course is designed to provide students with the necessary training, skills, and knowledge needed to obtain a certification as a Patient Care Technician. The certified Patient Care Technician assists doctors, nurses, or other medical professionals provide patient care in a variety of healthcare environments. Students will master skills including obtaining vital signs, performing EKGs, identifying basic EKG rhythms, collecting laboratory specimens, and providing patients with the basic needs. Benefits to completing this program may include job opportunities, increased pay, job security, and a competitive edge during the college application process. **Participation in this course will require students meet the vaccination and testing requirements set by our healthcare partners. Students are expected to take the Certified Patient Care Technician examination after graduation.**

HONORS PHARMACOLOGY (PHARMC 13020950)

Prerequisite: Principles of Health Science or Med Terms fee for study guide and practice test required; Teacher approval required	Credit: 1 GPA: Tier II
Grade Level: 12	Trimesters: 2

This course will provide an overview of prescription and nonprescription medications. Course content will emphasize drug classifications, drug action, drug administration, ethical and legal issues, safety, and career options in pharmacy. Students will develop an understanding of pharmaceuticals and its impact on the health care industry. ***Students are expected to take the Certified Pharmacy Technician examination after graduation.***

HONORS EXTENDED PRACTICUM IN HEALTH SCIENCE/PHLEBOTOMY (EXPRHLS1 13020505)

Prerequisite: Principles of Health Science Fee Required; 17 years of age Teacher approval required	Credit 3 GPA: Tier II
Grade Level: 12	Trimesters: 3

This occupationally specific course is designed to provide the knowledge and skills for an allied health career. Students will develop clinical skills necessary for employment in the health care industry through classroom, laboratory, and cooperative work experiences. Coursework will enable students to sit for the phlebotomy certification exam. ***Participation in this course will require students meet the vaccination and testing requirements set by our healthcare partners. Students must provide their own transportation. Students are expected to take the Certified Phlebotomy Technician examination after graduation.***

DUAL CREDIT HONORS EXTENDED PRACTICUM IN HEALTH SCIENCE/FIRE ACADEMY (EXPRHLS1 13020505)

Prerequisite: :Health Science Theory/Fire Academy, Law Enforcement I /Fire Academy; Fee required Teacher Approval Required	Credit 3 GPA: Tier II
Grade Level: 12 (must be 18 years old by end of 3 rd tri)	Trimesters: 3 - 2 period block

This course is a collaboration with TCC. Students must meet all of TCC's course eligibility requirements including the TSI requirements to take the Dual Credit EMT course through TCC. Students will also work on knowledge and skills for the fire academy and the EMT certification test. Coursework will enable students to sit for the EMT certification exam. ***Participation in this course will require students meet the vaccination and testing requirements set by our healthcare partners. Students are expected to take the clinical part of the course in the Summer I Semester at TCC. Students are also expected to take the National Certification exam to become a certified EMT.***

MEDICAL MICROBIOLOGY (MICRO 13020700)

Prerequisite: Biology, and Chemistry, and one course from the High School Career cluster	Credit: 1 GPA: Tier I
Grade Level: 11-12	Trimesters: 2

This course is a laboratory course which can count as a fourth year of science credit. Students in this course will explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. At least 40% of instructional time, the students will conduct laboratory investigations, using critical thinking, scientific reasoning, and problem solving to grow, test, and identify microorganisms. ***This course meets a science credit for high school graduation.***

PATHOPHYSIOLOGY (PATHO 13020800)

Prerequisite: Biology, and Chemistry, and one course from the High School Career cluster	Credit: 1 GPA: Tier I
Grade Level: 11-12	Trimesters: 2

Students in this course will learn about a variety of human diseases, including those that are common, rare, drug-resistant, re-emergent, congenital, and will learn how to differentiate their causes, signs and symptoms, diagnosis, prognosis, and treatment options. In addition, students will learn about the prevention of disease, evaluating public health issues related to asepsis, isolation, immunization, and quarantine, analyzing the effects of stress and aging on the body and investigating diseases that threaten world health. Problem solving will be emphasized as students propose intervention strategies and develop their own personal plan for personal health and wellness. Forty percent of class time will be in a laboratory setting, allowing students to gain Science credit for the course. ***This course meets a science credit for high school graduation.***

ANATOMY AND PHYSIOLOGY (ANATPHYS 13020600)

Prerequisite:	Biology I; Chemistry I	Credit:	1	GPA: Tier I
Grade Level:	11-12	Trimesters:	2	

This course is a laboratory course with emphasis on the relationships between anatomical structures and physiology of the human body. The topic content of this course includes: histology (tissues), kinesiology, and the function of organs in relation to other organs and to the body as a whole. *This course meets a science credit for high school graduation.*

HONORS ANATOMY AND PHYSIOLOGY (ANATPHYS 13020600)

Prerequisite:	Biology I; Chemistry I; Teacher Approval	Credit:	1	GPA: Tier II
Grade Level:	11-12	Trimesters:	2	

This accelerated course is a laboratory course with emphasis on the relationships between anatomical structures and physiology of the human body. The topics that students will study in-depth in this course include histology (tissues), kinesiology, and the function of organs in relation to other organs and to the body as a whole. *This course meets a science credit for high school graduation. A research project is required in this class.*

HOSPITALITY & TOURISM



Hospitality
& Tourism



INTRODUCTION TO CULINARY ARTS (INCULART 13022550)

Prerequisite:	None	Credit:	1	GPA: Tier I
Grade Level:	10-11	Trimesters:	1 - 2 period block	

This course will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Students have the opportunity to receive ServSafe certification.

CULINARY ARTS (CULARTS 13022600)

Prerequisite:	Introduction to Culinary Arts Teacher approval required	Credit:	2	GPA: Tier I
Grade Level:	11-12	Trimesters:	2 - 2 period block	

Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking. It includes management and production skills and techniques with hands-on training in a commercial kitchen. Catering and quantity cooking are explored as well as in-depth study and preparation of each food type. Students can pursue appropriate industry certifications.

PRACTICUM IN CULINARY ARTS (PRACCUL1 13022700)

Prerequisite:	Culinary Arts; Teacher approval required	Credit:	2	GPA: Tier I
Grade Level:	12	Trimesters:	2 - 2 period block	

This practicum focuses on building confidence in the commercial kitchen, in the dining room with customers, and managing the other student workers. An internship at a full service restaurant/hotel with a traditional chef brigade may be available for students.

EXTENDED PRACTICUM IN CULINARY ARTS (EXPRCUL1 13022705)

Prerequisite:	Culinary Arts; Teacher approval required	Credit:	3	GPA: Tier I
Grade Level:	12	Trimesters:	3 - 2 period block	

This extended practicum allows time for students to build their confidence in the commercial kitchen, in the dining room with customers, and managing other student workers by extending their experience for the full year.

HUMAN SERVICES



PRINCIPLES OF HUMAN SERVICES (PRINHUSR 13024200)

Prerequisite:	None	Credit:	1	GPA: Tier I
Grade Level:	8-9	Semesters:	2	

This laboratory course will enable students to investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, and personal care services. **Successful completion of 2 semesters fulfills the health graduation requirement.**

DOLLARS AND SENSE (DOLLARSE 13024300)

Prerequisite:	None	Credit:	1/2	GPA: Tier I
Grade Level:	10-12	Trimester:	1	

Students will investigate economics with emphasis on the free enterprise system and its impact on consumers and businesses. Students will determine methods of money management and achieving long-term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning.

CHILD DEVELOPMENT (CHILDEV 13024700)

Prerequisite:	None	Credit:	1	GPA: Tier I
Grade Level:	10-12	Trimesters:	2	

This technical laboratory course addresses knowledge and skills related to child growth and development from prenatal through school-age children. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children. *Successful completion of 2 trimesters fulfills the health graduation requirement.*

COUNSELING AND MENTAL HEALTH (COUNSMH 13024600)

Prerequisite:	Students must be in grades 11-12	Credit:	1	GPA: Tier I
Grade Level:	11-12	Trimesters:	2	

In this course, the students will be introduced to the skills necessary to pursue a counseling and mental health career through simulated environments. Students are expected to apply knowledge of ethical and legal responsibilities, limitations, and the implications of their actions. *Successful completion of 2 trimesters fulfills the health graduation requirement.*

FAMILY AND COMMUNITY SERVICES (FAMCOSERV 13024900)

Prerequisite:	None	Credit:	1	GPA: Tier I
Grade Level:	10-12	Trimesters:	1 - 2 period block	

In this course students will learn why it is important to get involved in community programs and how to do that. Students would participate in various community programs and learn how these programs work and how they serve the people of the community. Students interested in careers in Social Work, City Management, Counseling and other service careers would find this course very beneficial. *This course serves as an advanced course for the Public Services endorsement area.*

INTERPERSONAL STUDIES (INTERSTU 13024400)

Prerequisite:	None	Credit:	½	GPA: Tier I
Grade Level:	10-12	Trimesters:	1	

This course examines how the relationships between individuals and among family members significantly affect the quality of life now and in the future. Students will also develop skills to live on their own by researching careers, college, and learning the steps in making a personal and family budget.

LIFETIME NUTRITION & WELLNESS (LNURTWEL 13024500)

Prerequisite:	None	Credit:	½	GPA: Tier I
Grade Level:	10-12	Trimesters:	1	

Lifetime Nutrition and Wellness is a laboratory course that allows students to use the principles of lifetime wellness and nutrition to help them make informed choices that promote wellness throughout their life. Through the use of food preparation, they learn about properly balanced diets, safety and sanitation, and effective work habits. They also learned about careers in nutrition.

PARENT EDUCATION I (PAED1 N1302536)

Prerequisite:	Campus placement process	Credit:	1	GPA: Tier I
Grade Level:	9 -12 (KEYS only)	Semesters/Trimesters:	2	

This course allows students to gain an insight into parenting. It stresses parental responsibilities, practical techniques for guiding children, and practices that promote a child's development. The importance of development during the prenatal period is included. Baby Think It Over (computerized baby doll) will provide a first-hand experience at parenting.

PARENT EDUCATION II (PAED2 N1302537)

Prerequisite: Parent Education I	Credit: 1	GPA: Tier I
Grade Level: 9-12 (KEYS only)	Semesters/Trimesters: 2	

This laboratory course is designed to address the special needs and interests of male and female students who are parents, who are pregnant, or who are expecting to become parents in the near future. Special emphasis is placed on prenatal care and development, postnatal care, child development, infant care, and parenting skills.

INTRO/COSMETOLOGY I (INTCOSMO 13025100) (COSMET1 13025200)

Prerequisite: Interest Inventory, Teacher approval required , Fee Requirement, Two year commitment	Credit: 3	GPA: Tier I
Grade Level: 11	Trimesters: 3 - 2 period block	

Once a student is accepted into the Cosmetology program, this introductory class begins preparing them with job-specific training in the knowledge and skills needed for employment in a cosmetology career. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. In this course students will also investigate career opportunities, and develop an understanding of the requirements and expectations, and practice their workplace skills. Students will need to accrue their 1000 lab hours and 500 academic class hours to sit for the Cosmetology State Exam.

Successful completion of Cosmetology I fulfills the health graduation requirement. Payment of fees in full prior to the start of school required.

COSMETOLOGY II WITH LAB (COSLAB2 13025310)

Prerequisite: Intro/Cosmetology I, Interest Inventory, Teacher approval required , Fee requirement, Two year commitment	Credit: 3	GPA: Tier I
Grade Level: 12	Trimesters: 3 - 2 period block	

This senior laboratory course continues the job-specific training for employment in a cosmetology career. Instruction includes going over and preparing for both the written test and skills requirements to be a licensed cosmetologist in the state of Texas in preparation for the state examination. In this course, students will also continue to investigate their career opportunities, and practice their workplace skills. Students should complete their required 1000 lab hours and 500 academic class hours to sit for the Cosmetology State Exam. *Payment of fees in full prior to the start of school required.*

INFORMATION TECHNOLOGY



Information
Technology



NETWORKING (NETWRK 13027400)

Prerequisite: None	Credit: 1	GPA: Tier I
Grade Level: 10-12	Trimesters: 1 - 2 period block	

Students will develop knowledge of the concepts and skills related to telecommunications and data networking technologies and practices in order to apply them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Students will begin to prepare for industry certifications needed for employment in the computer and electronics industries. *This course meets the technology requirement for high school graduation.*

NETWORKING WITH LAB (NETWRLAB 13027410)

Prerequisite: None	Credit: 2	GPA: Tier I
Grade Level: 10-12	Trimesters: 2 - 2 period block	

In Networking with Lab, students will develop knowledge of the concepts and skills related to telecommunications and data networking technologies and practices in order to apply them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Students will be prepared to take and will take the industry certifications needed for employment in the computer and electronics industries. *This course meets the technology requirement for high school graduation.*

COMPUTER MAINTENANCE (COMPMTN 13027300)

Prerequisite: None	Credit: 1	GPA: Tier I
Grade Level: 10 - 11	Trimesters: 1 -2 period block	

This course is the first level in preparing for careers in computer maintenance and electronics. Students will acquire knowledge and hands-on experience in electronic theory, computer hardware principles, and board level components related to the installation, diagnosis, service, and repair of computer systems. The students will apply knowledge concerning employability skills and customer service. Students will prepare to take industry certifications needed for employment in the computer and electronics industries. *This course meets the technology requirement for high school graduation.*

COMPUTER TECHNICIAN PRACTICUM (COMPT1 13027500)

Prerequisite: Computer Maintenance	Credit: 2	GPA: Tier I
Grade Level: 11-12	Trimesters: 2 - 2 period block	

Student will advance their knowledge of computers maintenance and electronics in this upper level course. Students will acquire advanced knowledge and hands-on experience of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce, apply, and transfer their knowledge and skills in a variety of settings and problems. Students will take industry certifications needed for employment in the computer and electronics industries.

PRACTICUM IN INFORMATION TECHNOLOGY (PRACIT1 13028000)

Prerequisite: Minimum of 2 - IT courses Teacher approval required	Credit: 2 GPA: Tier I
Grade Level: 12	Trimesters: 2 - 2 period block

This supervised practicum experience will allow the Information Technology student to continue and apply their learning in this field. Students will use innovative technology within a professional environment or work place. Students will work at a professional level in some field of Information Technology that will help to grow their knowledge of opportunities both in college and in their field.

EXTENDED PRACTICUM IN INFORMATION TECHNOLOGY (EXPRIT1 13028005)

Prerequisite: Minimum of 2 - IT courses Teacher approval required	Credit: 3 GPA: Tier I
Grade Level: 12	Trimesters: 3 - 2 period block

This extended practicum course is designed to extend the supervised practical application of the student's learning in the field of Information Technology. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. The extended practicum course allows students to participate in this capstone experience for the full year.

DIGITAL MEDIA (DIMEDIA 13027800)

Prerequisite: None	Credit: 1 GPA: Tier I
Grade Level: 10-12	Trimesters: 2

This course offers students real life, hands-on activities. Students will focus on combining typography, visual arts, multi-media and page layout to create but not limited to logos, advertising, product packaging, brochures, newsletters, flyers, letterheads, invitations, etc. Students will utilize industry-recognized software such as, Adobe Photoshop, Adobe Illustrator, Adobe InDesign, Adobe Bridge, Adobe Acrobat and MS Office. *This course meets the technology requirement for high school graduation.*

WEB DESIGN (TAWEBDN 03580820)

Prerequisite: None	Credit: 1 GPA: Tier I
Grade Level: 10-12	Trimesters: 2

This course focuses on scripting, developing searching strategies, publishing skills, and saving information on a web server. Ultimately, students within an ethical framework will be the webmasters of the class, school, or district, participating in a real global community of learners and collaborators. Students enrolled in this course will acquire basic electronic productivity tools. *This course meets the technology requirement for high school graduation.*

LAW & PUBLIC SERVICE



Law &
Public
Service



PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS, & SECURITY (PRINLPCS 13029200)

Prerequisite:	None	Credit:	1	GPA: Tier I
Grade Level:	10-11	Trimesters:	2	

This introduces students to professions in law enforcement, crime scene investigation, and law. It is an excellent class if you are interested in a career as a police officer, police detective, crime scene investigator, or a lawyer. In addition to academics, you will also learn and participate in the same hands on activities that these professionals use every day at work.

COURT SYSTEMS & PRACTICES (COURTSP 13029600)

Prerequisite:	None	Credit:	1	GPA: Tier I
Grade Level:	10-11	Trimesters:	2	

This course is a functional and hands-on class that overviews the federal and state court systems. In addition to academics that include constitutional and procedural law, the student learns the material through hands-on activities such as mock trials, mock depositions, and mock witness affidavits.

ADVANCED LEGAL SKILLS AND PROFESSIONS (N1303016)

Prerequisite:	Court Systems and Practices Teacher approval required	Credit:	1	GPA: Tier I
Grade Level:	11-12	Trimesters:	1 – 2 period block	

This course would be for students who have completed Court Systems and would like to continue to expand their knowledge and skills. Students will gain advanced knowledge in the state and federal court systems and constitutional and procedural law and advanced skills handling trials, depositions, affidavits and other aspects of the legal system. There are students who are very interested in becoming bailiffs, court reporters, and even lawyers who would benefit from this class and learn more about the various opportunities in the legal field.

LAW ENFORCEMENT I / ROTATION OR 911 DISPATCH (LAWENF1 13029300)

Prerequisite: Principles of Law, Public Safety, Corrections and Security or Court Systems & Practices; Teacher approval required	Credit: 1 GPA: Tier I
Grade Level: 11-12 (must be 17 years old)	Trimester: 1 - 2 period block

The Criminal Justice Program teams up with such agencies as the Hurst Police Department, the Euless Police Department, the Bedford Police Department, and the DFW Airport DPS to bring you this exciting learning opportunity. Much of the class is not taught at school. It is taught “in the field” at the actual police departments by real police officers, detectives, dispatchers, and administrators. In the rotation class, some of the topics taught are crime scene investigation, SWAT, motorcycle patrol, and DWI enforcement. In the 911 dispatch class, students will learn from real dispatchers how to work with caller/victims, how to process calls, and about referring calls to various agencies. During in-class meetings, students will hear from a variety of guest speakers that could include: a Tarrant County Judge, a local SWAT Officer, and a local detective. If you are interested in law, this class is a must!

LAW ENFORCEMENT I / FIRE ACADEMY (LAWENF1 13029300)

Prerequisite: Prins of Law & Public Safety or Prins of Heal Sci Teacher approval required	Credit: 1 GPA: Tier I
Grade Level: 11	Trimesters: 1 - 2 period block

In this class, the Fire Academy students get to team up with the Hurst, Euless, and Bedford Fire Departments and learn about the protocols and procedures of each of those departments. They will also learn what it takes to be a firefighter and begin to prepare for this experience. During this class, the students will hear from guest speakers and visit the various sites. They will have hands on experiences with various techniques and procedures as well as more general knowledge and skills. For students with an interest in becoming firefighters, this will be a must-take class!

LAW ENFORCEMENT II (LAWENF2 13029400)

Prerequisite: Law Enforcement I Teacher approval required	Credit: 1 GPA: Tier I
Grade Level: 11-12 (must be 17 years old)	Trimester: 1 - 2 period block

This course offers the mature and employable student an opportunity to see what it is like to be a police cadet and a newly hired police officer without actually being sworn in as an officer. The student will learn policing from the ground level up and spend time in every major section of the police department including patrol, the jail, dispatch, records, and investigations. The student will be issued and be expected to wear a uniform and will be paid by the department for the 20 hours a week the student spends there. This class is for the mature student who is serious about a career in law enforcement.

PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY (PRACLPS1 13030100)

Prerequisite: Law Enforcement I Teacher approval required	Credit: 2 GPA: Tier I
Grade Level: 12 (must be 17 years old)	Trimesters: 2 - 2 period block

This course offers the mature and employable student an opportunity to experience what it is like to have a career in law enforcement and a possible career opportunity with the police department. Students in this course will have a position- paid or internship with the police department. The student will report to their supervisor at the police department most of the time. The teacher will monitor the student’s progress by coordinating with his/her supervisor through visits on site and during class time. This class is for the mature student who is serious about a career in law enforcement. ***Students must provide their own transportation.***

EXTENDED PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY (EXPLPS1 13030105)

Prerequisite: Law Enforcement I Teacher approval required	Credit: 3 GPA: Tier I
Grade Level: 12 (must be 17 years old)	Trimesters: 3 - 2 period block

This extended practicum allows time for students to build their confidence and skills and experience what a career in law enforcement is like by extending their experience for the full year. This class is for the mature student who is serious about a career in law enforcement. ***Students must provide their own transportation.***

FORENSIC SCIENCE (FORENSCI 1329500)

Prerequisite: Chemistry	Credit: 1	GPA: Tier I
Grade Level: 11-12	Trimesters: 2	

Forensic Science is a course that uses a structured and scientific approach to the investigation of criminal activity and behavior. Students will learn terminology and investigative procedures related to crime scene analysis, and scientific procedures used to solve crimes. History, legal aspects, and career options for forensic science will be explored. *This course meets a science requirement for high school graduation.*

MANUFACTURING



Manufacturing



ROBOTICS I (ROBOTIC1 13037000)

Prerequisite: None	Credit: 1	GPA: Tier I
Grade Level: 10-11	Trimesters: 1 - 2 period block	

Students enrolled in this course will demonstrate knowledge and skills in robotics. Students will learn to build and program robots to perform different tasks. Students will gain hands-on knowledge about using sensors and will work in a project-based environment. Students will also explore the history and uses of robotics and investigate career opportunities. *This course meets a technology credit for high school graduation.*

ROBOTICS II (ROBOTIC2 13037050)

Prerequisite: Robotics I	Credit: 1	GPA: Tier I
Grade Level: 11-12	Trimesters: 1 – 2 period block	

Students enrolled in this course will demonstrate advanced knowledge and skills in robotics. Students will learn to build and program robots to perform complex tasks. Students will prepare for and be expected to take the FANUC Robot Operator Certification exam. *An accelerated class with Tier II GPA is available for qualified students. This course meets requirements for a fourth year math credit for high school graduation.*

HONORS ROBOTICS I (ROBOTIC1 13037000)

Prerequisite: Algebra II or Physics (can be concurrently) Teacher approval required	Credit: 1	GPA: Tier II
Grade Level: 10-11	Trimesters: 1 - 2 period block	

Students enrolled in this course will demonstrate knowledge and skills in robotics using the Tetrix and JAVA based Android system. Students will work in teams to build and program robots to perform basic tasks. Students will also explore more in-depth uses of robotics and investigate career opportunities. ***This course meets a technology credit for high school graduation.***

HONORS ROBOTICS II (ROBOTIC2 13037050)

Prerequisite: Honors Robotics I Teacher approval required	Credit: 1	GPA: Tier II
Grade Level: 11-12	Trimesters: 1 - 2 period block	

Students enrolled in this course will demonstrate advanced knowledge and skills in robotics. Students will build and program robots to perform more complex tasks. Students will work in teams to program and enhance their robots. ***This course meets requirements for a fourth math credit for high school graduation.***

PRACTICUM IN MANUFACTURING (PRACMAN 13033000)

Prerequisite: Robotics I and II Teacher approval required	Credit: 2	GPA: Tier I
Grade Level: 12	Trimesters: 2 - 2 period block	

This practicum course is designed to give students a supervised practical application of previously studied knowledge and skills. Practicum is self-paced and can occur in a variety of locations. Students are expected to build their skills, confidence, and their portfolio with individual projects. Teacher approval is required to sign up for this course as well as having passed the two previous Robotics courses.

EXTENDED PRACTICUM IN MANUFACTURING (PRACMAN 13003305)

Prerequisite: Robotics I and II Teacher approval required	Credit: 3	GPA: Tier I
Grade Level: 12	Trimesters: 3 - 2 period block	

This extended practicum course is designed to give students a supervised practical application of previously studied knowledge and skills. Practicum is self-paced and can occur in a variety of locations. Students are expected to build their skills, confidence, and their portfolio with individual projects. Teacher approval is required to sign up for this course as well as having passed the two previous Robotics courses.

HONORS PRACTICUM IN MANUFACTURING (PRACMAN 13033000)

Prerequisite: Honors Robotics I and II Teacher approval required	Credit: 2	GPA: Tier I
Grade Level: 12	Trimesters: 2 - 2 period block	

This practicum course is designed to give students a supervised practical application of previously studied knowledge and skills. Practicum is self-paced and can occur in a variety of locations. Students are expected to build their skills, confidence, and their portfolio with individual projects. Teacher approval is required to sign up for this course as well as having passed the two previous Honors Robotics courses.

HONORS EXTENDED PRACTICUM IN MANUFACTURING (PRACMAN 13003305)

Prerequisite: Honors Robotics I and II Teacher approval required	Credit: 3	GPA: Tier I
Grade Level: 12	Trimesters: 3 - 2 period block	

This extended practicum course is designed to give students a supervised practical application of previously studied knowledge and skills. Practicum is self-paced and can occur in a variety of locations. Students are expected to build their skills, confidence, and their portfolio with individual projects. Teacher approval is required to sign up for this course as well as having passed the two previous Honors Robotics courses.

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS



Science,
Technology,
Engineering &
Mathematics



PRINCIPLES OF APPLIED ENGINEERING (PRAPPENG 13036200)

Prerequisite:	None	Credit:	1	GPA: Tier I
Grade Level:	8-9	Semesters:	2	

This course is an overview of technology with application of knowledge from many fields like biotechnology, communication, computer applications, construction, energy, power, transportation, and manufacturing. Students discover the link between engineering and technology while utilizing varied computer programs and many hands on design, team and technology projects. Activities include bridge building, product design and many other hands on activities with specialized computer design programs, tools, machines and teamwork. Students build scale models and prototypes; learn emerging technologies, technology history, workplace safety, career possibilities and college and career information. A primary goal is the application of science, technology, engineering and math to everyday life. *An accelerated class with Tier II GPA is available for qualified students at CJH. This course meets the technology requirement for high school graduation*

ENGINEERING DESIGN & PRESENTATION I (ENGDSPIR1 13036500)

Prerequisite:	Geometry (can be concurrent)	Credit:	1	GPA: Tier I
Grade Level:	10-12	Trimesters:	2	

Students enrolled in this course will demonstrate knowledge and skills of the process of design as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and virtual prototypes. *An accelerated class with Tier II GPA is available for qualified students. This course meets the technology requirement for high school graduation.*

ENGINEERING DESIGN & PRESENTATION II (ENGDSPIR2 13036600)

Prerequisite:	Engineering Design and Presentation I and Algebra II	Credit:	2	GPA: Tier I
Grade Level:	11-12	Trimesters:	2 - 2 period block	

This course will provide students the opportunity to master computer software applications in a variety of engineering and technical fields. This course further develops the process of engineering theory and application of the design process. Students will become proficient at 3-D design using Autodesk Professional, and use the advanced features of the software. *An accelerated class with Tier II GPA is available for qualified students.*

HONORS AEROSPACE I (SCIRD 13037200)

Prerequisite: Algebra II or Physics (can be concurrently)	Credit: 1	GPA: Tier II
Grade Level: 10-12	Trimesters: 2 (Fall and Winter)	

Aerospace I is a highly challenging course, which uses a project-based approach in order to explore the basic physics, engineering, and math of flight. Students will learn via a combination of teacher led lecture and discussion, and student led projects. Students will gain an understanding of aerospace engineering through the design, building, launching, and recovery of small to medium sized rockets. *This course meets a science credit for high school graduation.*

HONORS AEROSPACE II (ENGDPRS 13037300)

Prerequisite: Honors Aerospace I	Credit: 1	GPA: Tier II
Grade Level: 10-12	Trimesters: 1 - 2 period block (Spring)	

Aerospace II continues exploring the physics of flight by adding to the knowledge learned in Aerospace I. In this course students will work on a larger, more complex project that will require the students to use knowledge gained in both Aerospace I and Aerospace II. The course culminates with teams of students launching high-powered rockets that were researched, designed, and build 100% by the students. *This course meets a science credit for high school graduation.*

HONORS INTRO TO UNMANNED AERIAL VEHICLES (PRINUAV N1304670)

Prerequisite: Algebra II (can be concurrently) and 2 Science Credits (2 nd can be concurrently)	Credit: 1	GPA: Tier II
Grade Level: 10-12	Trimesters: 1 - 2 period block	

Honors Intro to UAV is designed to prepare students for entry-level employment or continuing education in piloting UAV operations. This course will instruct students in flight navigation, industry laws, and safety regulations. Students will also learn about mission planning, environmental factors, and human factors involved. *Students will prepare for and be expected to take the FAA Part 107 Drone Certification Exam.*

ENGINEERING MATHEMATICS (ENGMATH 13036700)

Prerequisite: Algebra II	Credit: 1	GPA: Tier I
Grade Level: 11-12	Trimesters: 2	

Engineering Mathematics requires students to use a variety of mathematical methods and models to represent and analyze problems involving data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and robotics with computer programming. *This course meets a fourth math credit for high school graduation.*

ENGINEERING SCIENCE (ENGSCIEN 13037500)

Prerequisite: Algebra I and 1 Science credit	Credit: 1	GPA: Tier I
Grade Level: 11-12	Semesters or Trimesters: 2	

This course allows students to work on their Science credit at the BCTEA. Students will conduct laboratory and field investigations using the scientific method and making informed decisions using critical thinking and problem solving. Topics covered include laws of motion, conservation of energy, momentum, magnetism and thermodynamics. *This course meets a science credit for high school graduation.*

PRACTICUM IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

(PRCSTEM1 13037400)

Prerequisite: Engineering Design & Presentation II Teacher approval required	Credit: 2	GPA: Tier I
Grade Level: 12	Trimesters: 2 - 2 period block	

This practicum 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. The practicum course is a capstone experience for students participating in a coherent sequence of career and technical education courses in the science, technology, engineering, and mathematics career cluster.

EXTENDED PRACTICUM IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

(EXPRSTEM1 13037405)

Prerequisite: Engineering Design & Presentation II Teacher approval required	Credit: 3	GPA: Tier I
Grade Level: 12	Trimesters: 3 - 2 period block	

This extended practicum course is designed to give students additional time in the 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.

HONORS PRACTICUM IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

(PRCSTEM1 13037400)

Prerequisite: Engineering Design II, or Honors Aerospace II Teacher approval required	Credit: 2	GPA: Tier II
Grade Level: 12	Trimesters: 2 - 2 period block:	

This practicum offers students the opportunity to work more independently in a real environment while continuing to hone and develop the knowledge and skills learned in one of the following areas: Honors Robotics, Honors Aerospace, or Engineering Design II. In this course, students will work on a larger, more complex project or in a practicum experience. The teacher will monitor their progress and offer insights.

HONORS EXTENDED PRACTICUM IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (EXPRSTEM1 13037405)

Prerequisite: Engineering Design II, or Honors Aerospace II Teacher approval required	Credit: 3	GPA: Tier II
Grade Level: 12	Trimesters: 3 - 2 period block	

Extended practicum offers students the opportunity to work more independently in a real environment while continuing to hone and develop the knowledge and skills learned in one of the following areas: Honors Robotics, Honors Aerospace, or Engineering Design II. In this course, students will have additional time to work on a larger, more complex project or in a practicum experience across the entire year. The teacher will monitor their progress and offer insights.

FOUNDATIONS OF CYBERSECURITY (TAF CYB 03580850)

Prerequisite: Principles of Information Technology	Credit: 1	GPA: Tier I
Grade Level: 9 Eulless JH and Hurst JH only	Semesters: 2	

This course is concerned with safeguarding computers, networks, and data from unauthorized access. Students will explore the concepts of ethics, laws, and operations, of cybersecurity. They will examine trends in cyberattacks, threats, and vulnerabilities and explore security policies designed to mitigate these risks.

DIGITAL FORENSICS (TADGFR 03580360)

Prerequisite: Foundations of Cybersecurity, Computer Maintenance, or Computer Science	Credit: 1	GPA: Tier I
Grade Level: 10-12	Trimesters: 2	

This course will allow students to explore disk, email, network, software and mobile device forensics. They will learn how to secure digital evidence and apply their skills to virtual and physical labs. They will examine the legal and ethical guidelines for the proper use of forensic tools. Students will further learn how to report their findings to others in a professional manner.

COMPUTER SCIENCE I (TACS1 03580200)

Prerequisite: Algebra I (can be concurrent), BIM I or Principles of Applied Engineering	Credit: 1	GPA: Tier I
Grade Level: 9-12	Semesters /Trimesters: 2	

In Computer Science I, students will acquire knowledge of structured programming techniques and concepts appropriate to developing programs and creating appropriate documentation. Students will analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as related to computer programming. Students will apply technical skills to address business applications of emerging technologies. *This course meets the technology requirement for high school graduation.*

COMPUTER SCIENCE II (TACS2 03580300)

Prerequisite: Computer Science I Teacher Approval Required	Credit: 1	GPA: Tier I
Grade Level: 10-12	Trimesters: 2	

In Computer Science II, students will enhance their knowledge and skills of structured programming techniques and concepts. Students will also continue to analyze and weigh the significant issues regarding society and ethics in regard to computer programming. Students will apply their technical skills to address business applications of emerging technologies.

AdvAc COMPUTER SCIENCE I (TACS1 03580200)

Prerequisite: Principles of Applied Engineering or BIM I and AdvAc Math or teacher approval	Credit: 1	GPA: Tier II
Grade Level: 9 th grade at CJH only	Semesters/Trimesters: 2	

This course is designed to acquaint the student with concepts and skills used to create and modify computer-based solutions to problems. Students will write programs in a prevailing computer language to solve practical problems modeled from school and community. Students will also learn the appropriate use of hardware components, software programs, and their connections. Throughout the course, students will utilize methods of acquiring and organizing from various electronic resources. *This course meets a technology credit for high school graduation.*

AP COMPUTER SCIENCE PRINCIPLES (APCSPRIN A3580300)

Prerequisite: Alg I	Credit: 1	GPA: Tier III
Grade Level: 10-12	Trimesters: 2	

AP Computer Science Principles covers working with data and understanding the internet and cybersecurity while teaching transferable skills like learning how to formulate precise questions. This course is an AP course for all students who would like to “try” an AP class and who would like to gain crucial skills in computers, coding, and information processing for college, career and beyond. *This course meets a technology credit for high school graduation.*

AP/IB COMPUTER SCIENCE II, III (APTACSAM A3580110) (APTACSAL A3580120) (IBTACSSL I3580200) (IBTACSHLM I3580310) (IBTACSHLL I3580320)

Prerequisite:	Computer Science I or II, AP Computer Science Principles	Credit:	1	GPA: Tier III
Grade Level:	11-12	Trimesters:	2	

Computer Science II, and III continues the development of problem solving skills and includes study in abstract data types, searching and sorting methods, and the use of standard algorithms. It will provide students a chance to expand their knowledge of a prevailing computer language, learn advanced methods of handling large amounts of data, and improve their understanding of hardware components. Throughout the course, students will utilize methods of acquiring and organizing information from various electronic resources. *Students are expected to take the AP exam and/or appropriate IB assessment.*

DUAL CREDIT COMPUTER SCIENCE (TACS1 03580200)

Prerequisite:	None	Credit:	1	GPA: Tier II
Grade Level:	12	Trimesters:	2	

This course introduces 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.

INDEPENDENT STUDY IN TECHNOLOGY APPLICATIONS (TAIND1 03580900)

Prerequisite:	Computer Science I and II; Teacher approval required	Credit:	1	GPA: Tier II
Grade Level:	12	Trimesters:	2	

In this course, students will develop skills by using technology as a tool that supports the work of individuals and groups in solving problems. They will select the technology appropriate for the task, synthesize knowledge, create a solution and evaluate the results. Students will communicate information in different formats and to diverse audiences. A variety of technologies will be used. Students will analyze and evaluate the results.

IB ITGS: INFORMATION TECHNOLOGY IN A GLOBAL SOCIETY, STANDARD AND HIGHER LEVEL (IBITGSL I3580400) (IBITGSHL I3580500)

Prerequisite:	IB diploma candidate	Credit:	1-1½	GPA: Tier III
Grade Level:	11-12	Trimesters:	2 - 3	

The Information Technology in a Global Society course is the study and evaluation of the impacts of information technology (IT) on individuals and society. It explores the advantages and disadvantages of the access and use of digitized information at the local and global level. ITGS provides a framework for the student to make informed judgments and decisions about the use of IT within social contexts. This course meets a technology requirement for high school graduation. *Students enrolled in this course are required to take the appropriate IB examinations.*

TRANSPORTATION, DISTRIBUTION, & LOGISTICS



Transportation,
Distribution
& Logistics



AUTOMOTIVE BASICS (AUTOBASC 13039550)

Prerequisite:	None	Credits:	1	GPA: Tier I
Grade Level:	10-11	Trimesters:	1 - 2 period block	

Students in this course will learn about basic safety in the automotive workshop environment and earn an auto safety certification. They will also learn the basic tools used in the auto service industry as well as basic car maintenance services.

AUTOMOTIVE TECHNOLOGY I: MAINTENANCE & LIGHT REPAIR (AUTOTEC1 13039600)

Prerequisite:	Automotive Basics	Credit:	2	GPA: Tier I
Grade Level:	10-12	Trimesters:	2 - 2 period block	

This course covers service and repair of the basic components of an automobile. Automotive services include knowledge of the function of the major automotive systems and the principles of diagnosing and servicing these systems. The focus of this course is to teach the theory of the operation of automotive vehicle systems and associated repair practices. In Automotive Technology, students gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems.

AUTOMOTIVE TECHNOLOGY II: AUTO SERVICE (AUTOTEC2 13039700)

Prerequisite:	Auto Tech I: Maintenance & Light Rep	Credit:	2	GPA: Tier I
Grade Level:	11-12	Trimesters:	2 - 2 period block	

This advanced course continues the use of automotive training curriculum using the ASE standards in automotive engine performance and automotive suspension/steering. Students have the opportunity to prepare for the Automotive Service Excellence (ASE) certification examination.

AUTOMOTIVE TECHNOLOGY II: AUTO SERVICE/ADV TRANS SYS LAB (AUTOLAB2 13039710)

Prerequisite:	Auto Tech I: Maintenance & Light Rep	Credit:	3	GPA: Tier I
Grade Level:	11-12	Trimesters:	3 - 2 period block	

This advanced course continues the use of automotive training curriculum using the ASE standards in automotive engine performance and automotive suspension/steering with the additional lab time to reinforce, apply, and transfer skills to a variety of relevant activities, problems, and settings. Students have the opportunity to prepare for the Automotive Service Excellence (ASE) certification examinations and to work in real world situations as Interns or in Practicum positions.

PRACTICUM IN TRANSPORTATION SYSTEMS (PRACTRS1 13040450)

Prerequisite:	Auto Tech II Teacher approval required	Credit:	2	GPA: Tier I
Grade Level:	12	Trimesters:	2 - 2 period block	

This course continues the advanced curriculum of automotive or collision repair training using ASE standards with opportunities to test for Automotive Service Excellence (ASE) certification. In addition, opportunities will be provided to qualified students for internship or part time employment at local automotive dealers or repair shops.

EXTENDED PRACTICUM IN TRANSPORTATION SYSTEMS (EXPRTRS1 130340455)

Prerequisite:	Auto Tech II Teacher approval required	Credit:	3	GPA: Tier I
Grade Level:	12	Trimesters:	3 - 2 period block	

This extended course gives students additional time to practice their techniques and develop their knowledge and skills and gives them the opportunity to test for Automotive Service Excellence (ASE) certification. In addition, opportunities will be provided to qualified students for internship or part time employment at local automotive dealers or repair shops. This extended practicum must be taken in conjunction with the regular practicum.



Course Name	Gr	Cr	Slots
Architecture & Construction			
Architectural Design I (PR) (TC)	10-11	1	2
Architectural Design II (PR) (WC)	11-12	2	4
Ext/Practicum in Arch Design (PR)	12	2/3	4/6
Interior Design I (PR)	10-11	1	2
Interior Design II (PR)	11-12	2	4
Arts, AV Technology & Communications			
Professional Communications (SP)	8-12	½	1
Animation I (TC)	10-11	1	2
Animation II w/Lab (PR)	11-12	2	4
Video Game Design	10-11	1	2
Video Game Programming (PR)	11-12	1	2
Adv Video Game Programming (PR)	11-12	1	2
Ext/Practicum in Animation (PR)	12	2/3	4/6
Graphic Design & Illustration I (TC)	10-11	1	2
Graph Des & Illustration II/Lab (PR)	11-12	2	4
Ext/Practicum in Graphic Design (PR)	12	2/3	4/6
Audio/Video Production I (TC)	10-11	1	2
Audio/Video Prod II w/Lab (PR)	11-12	2	4
Ext/Practicum in A/V Production (PR) (WC)	12	2/3	4/6
Commercial Photography I (THS only)	10-11	1	2
Comm Photography II (PR) (THS only)	11-12	1	2
Ext/Practicum in Comm Photo (PR) (THS only)	12	2/3	4/6
Business, Marketing, & Finance			
Accounting I	10-11	1	2
Accounting II (PR)	11-12	1	2
Touch System Data Entry (10-12 KEYS ONLY)	7-9	½	1+
Business Information Mgt I (TC)	8-12	1	2+
Business Information Mgt II (PR) (WC)	9-12	1	2
Principles of Bus, Mktg, and Finance	9-11	1	2+
Global Business	10-12	½	1
Virtual Business	10-12	½	1
Business English (PR) (E)	12	1	2
Advertising	10-12	½	1
Entrepreneurship	10-12	1	2
Sports & Entertainment Mktg	10-12	½	1
Social Media Marketing	10-12	½	1
Ext/Practicum in Marketing (PR)	12	2/3	4/6

Course Name	Gr	Cr	Slots
Education & Training			
Human Growth and Development (HE)	10-12	1	2
Principles of Education & Training	11-12	1	2
Instructional Practices (PR)	11-12	2	4
Ext/Practicum in Educ & Train (PR)	12	2/3	4/6
Health Science			
Principles of Health Science (HE)	10-11	1	2
Medical Terminology (\$\$)	11-12	1	2
Heal Sci Theory/Clin Rotation / Site (PR) (\$\$) (WC)	11-12	2	4
Heal Sci Theory/Fire Academy (PR) (\$\$)	11	1	2
Honors Heal Sci Theory/Clin PCT (PR) (\$\$) (WC)	12	2	4
Honors Pharmacology (PR) (WC) (\$\$)	12	1	2
Honors Ext Prac in Heal Sci-Phleb (PR) (\$\$) (WC)	12	3	6
Dual Cr Hnrs Ext Prac in Heal Sci-Fire Acd(PR)(\$\$)(WC)	12	3	6
Medical Microbiology (PR) (SC)	11-12	1	2
Pathophysiology (PR) (SC)	11-12	1	2
Anatomy & Physiology (PR) (SC)	11-12	1	2
Honors Anatomy & Physiology (PR) (SC) (WC)	11-12	1	2
Hospitality & Tourism			
Intro to Culinary Arts	10-11	1	2
Culinary Arts (PR) (S)(\$\$)	11-12	2	4
Ext/Practicum in Culinary Arts (PR)	12	2/3	4/6
Human Services			
Principles of Human Services (HE)	8-9	1	2+
Dollars and Sense	10-12	½	1
Child Development (HE)	10-12	1	2
Counseling & Mental Health (HE)	11-12	1	2
Family and Community Services	10-12	1	2
Interpersonal Studies	10-12	½	1
Lifetime Nutrition & Wellness	10-12	½	1
Parent Ed for Sch Age Parents I & II (PR) (KEYS)	9-12	1	2
Intro/Cosmetology I (HE) (\$\$)	11	3	6
Cosmetology II/Lab (PR)(\$\$)	12	3	6

Key

+ = 7th-9th gr = sem courses

HE = Health Waiver(must complete 2 sem. or tris)

E = 4th English Credit

M = 4th Math Credit

TC = Technology Credit

SP = Speech Credit

SC = Science Credit

WC = Weight Cred avail

PR = Prerequisite

\$\$ = Fees Required



Course Name	Gr	Cr	Slots
Information Technology			
Principles of Information Technology (TC)	8	1	2+
Networking w/Lab (TC)	10-12	1/2	2/4
Computer Maintenance (TC)	10-11	1	2
Computer Technician Practicum (PR)	11-12	2	4
Ext/Prac in Information Tech (PR)	12	2/3	4/6
Digital Media (TC)	10-12	1	2
Web Design (TC)	10-12	1	2
Law & Public Service			
Principles of Law, Pub Safety, Corr,& Sec	10-11	1	2
Courts Systems & Practices	10-11	1	2
Adv Legal Skills & Professions (PR)	11-12	1	2
Law Enforcement I (Rotation or Dispatch) (PR)	11-12	1	2
Law Enforcement I Fire Academy (PR)	11	1	2
Law Enforcement II (PR)	11-12	1	2
Ext/Practicum in Law, Pub Safety, & Corr (PR)	12	2/3	4/6
Forensic Science (PR) (SC)	11-12	1	2
Manufacturing			
Robotics I (TC)	10-11	1	2
Robotics II (PR) (M) (WC)	11-12	1	2
Honors Robotics I (PR) (WC) (TC)	10-11	1	2
Honors Robotics II (PR) (WC) (M)	11-12	1	2
Ext/Practicum in Manufacturing (PR)	12	2/3	4/6
Honors Ext/Prac in Manufacturing (PR) (WC)	12	2/3	4/6
Science , Technology, Engineering , Mathematics			
Principles of Applied Engineering (TC) (WC)	8-9	1	2+
Engineering Design & Presentation I (TC)	10-11	1	2
Eng Design & Presentation II (PR) (WC)	11-12	2	4

Course Name	Gr	Cr	Slots
Science, Technology, Engineering, Mathematics			
Honors Aerospace I (PR) (SC) (WC)	10-12	1	2
Honors Aerospace II (PR) (SC) (WC)	10-12	1	2
Honors Intro to UAV (Drones) (PR) (WC)	10-12	1	2
Engineering Mathematics (PR) (M)	11-12	1	2
Engineering Science (PR) (SC)	10-12	1	2
Ext/Practicum in STEM (PR)	12	2/3	4/6
Honors Ext/Practicum in STEM (PR) (WC)	12	2/3	4/6
Foundations of Cybersecurity (PR)	9	1	2+
Digital Forensics (PR)	10-12	1	2
Fundamentals of Computer Science (TC) (WC)	8	1	2+
Computer Science I (TC) (PR)	10-11	1	2
Computer Science II (PR)	11-12	1	2
AdvAc Computer Science I (CJH only) (TC) (WC)	9	1	2+
AP Computer Science Principles (WC)	10-12	1	2
AP/IB Computer Science II (PR) (WC)	11-12	1	2
AP/IB Computer Science III (PR) (WC)	11-12	1	2
Dual Credit Computer Science	12	1	1
Ind Study in Tech Apps (PR) (WC)	12	1	2
IB Info Tech in a Global Society-SL (WC)	11-12	1-1½	2-3
IB Info Tech in a Global Society-HL (WC)	11-12	1-1½	2-3
Transportation, Distribution & Logistics			
Automotive Basics	10-11	1	2
Auto Tech I: Maint/Light Repair (PR)	11-12	2	4
Auto Tech II: Auto Service w/Lab (PR)	11-12	2/3	4/6
Ext/Practicum in Trans Systems (PR)	12	2/3	4/6
Career Development			
College and Career Readiness	7-8	NA	1+
Investigating Careers	7-8	NA	1+

Key

† = 7th-9th gr = sem courses

HE = Health Waiver(must complete 2 sem. or tris)

E = 4th English Credit

M = 4th Math Credit

TC = Technology Credit

SP = Speech Credit

SC = Science Credit

WC = Weight Cred avail

PR = Prerequisite

\$\$ = Fees Required



Career & Technical Education

Hurst - Eules - Bedford Independent School District

* As of 08-31-2021

Student Industry-Based Certifications

2020-2021*

Certification Name	Total
CareerSafe/Communication Skills Certification	500
Architecture & Construction	
Autodesk Revit Certification	8
OSHA/CareerSafe (S4) Certification	36
Arts, AV Technology & Communications	
Adobe Photoshop Certification	43
Adobe Premiere Pro Certification	10
CareerSafe/Cyber Safety Certification	130
Business, Marketing, & Finance	
CareerSafe/Cyber Safety Certification	326
(MOS) Excel Certification	121
(MOS) PowerPoint Certification	365
(MOS) Word Certification	332
(MOS) Word Expert Certification	20
STUKENT Social Media Marketing Certification	78
Education & Training	
AHA Heartsaver CPR Certification	20
Educational Aide I Certification	14
First Aid Certification	22
Health Science	
American Heart Association BLS Certification	78
CareerSafe/Cyber Safety Certification	70
Certified EKG/ECG Technician	12
OSHA/CareerSafe (S4) Certification	65
Patient Care Technician (CPCT) Certification	16
Pharmacy Technician (CPhT) Certification	10
Phlebotomy (CPT) Certification	9
STOP THE BLEED	43
Hospitality & Tourism	
Food Handler Certification (COVID-19 Awareness)	79
Food Handler Certification (Texas)	94
S/P2 Safety Certification - Culinary	45
Human Services	
EVERFI - College and Career Readiness	18
EVERFI - Financial Education	64

Certification Name	Total
CareerSafe/Interview Skills Certification	908
Human Services	
EVERFI - Health and Wellness	221
EVERFI - Social Emotional Learning	31
Food Handler Certification (COVID-19 Awareness)	313
Food Handler Certification (Texas)	681
S/P2 Safety Certification - Cosmetology	9
Texas Cosmetology Operator License (TDLR)	5
Information Technology	
CareerSafe/Cyber Safety Certification	128
CompTIA A+ Certification	2
CompTIA Security+ Certification	1
Cisco - Cybersecurity Essentials	29
Cisco - Networking Academy Badge	100
OSHA/CareerSafe (S4) Certification	50
TestOut - Online Security/Home Wireless Network	176
Unity Certified Programmer	3
Law & Public Service	
AHA Heartsaver CPR Certification	20
Emergency Medical Technician (EMT)	2
FAA Part 107 Remote Drone Pilot License	4
First Aid Certification	20
Manufacturing	
OSHA/CareerSafe (S4) Certification	66
Science ,Technology, Engineering , Mathematics	
Autodesk Inventor Certification	24
CareerSafe/Cyber Safety Certification	110
FAA Part 107 Remote Drone Pilot License	1
OSHA/CareerSafe (S4) Certification	672
Transportation, Distribution & Logistics	
Automotive Service Excellence (ASE) Entry-Level Certification	
ASE - Brakes	19
ASE - Engine Repair	2
ASE - Suspension & Steering	9
S/P2 Lifting It Right Certification	82
S/P2 Safety Certification - Automotive	88

Total Certifications 6404

****Opportunities for Student Industry-Based Certifications are subject to change due to industry standards.**

Non-Discrimination Policy

It is the policy of Hurst-Eules-Bedford ISD not to discriminate on the basis of race, color, national origin, sex or handicap, in its career and technology (vocational) programs, services or activities 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. Hurst-Eules-Bedford ISD will take steps to assure that lack of English language skills not be a barrier to admission and participation in all educational and career and technology (vocational) programs. Admission to these programs is based on interest and aptitude, age appropriateness and class space availability.

ENGLISH LANGUAGE ARTS

ENGLISH I (ENG 1 03220100)

Prerequisite: None	Credit: 1	GPA: Tier I
Grade Level: 9	Semesters: 2	

The English I course stresses the reading/writing connection through development of composition, literary, language, and reading skills. Composition instruction, both oral and written, stresses the process approach to effective oral and written communication. Writing assignments include single and multi-paragraph compositions of a variety of types. All students have the opportunity to work in computer writing labs. Literature units include all writing types. Language study includes grammar, usage, and vocabulary development. ***An AdvAc class with Tier II GPA is available for qualified students.***

ENGLISH II (ENG 2 03220200)

Prerequisite: English I	Credit: 1	GPA: Tier I
Grade Level: 10	Trimesters: 2	

English II continues the integration of literature, composition, language, and reading. Composition skills in this course continue mastery of the skills from English I so that students may gain greater control over the fundamentals of the writing process. All students have access to computer writing labs. Language study includes a review of the grammatical structure of sentences, usage and vocabulary development. ***An AdvAc class with Tier II GPA is available for qualified students.***

ENGLISH III (ENG 3 03220300)

Prerequisite: English II	Credit: 1	GPA: Tier I
Grade Level: 11	Trimesters: 2	

English III introduces American and other world literature, stressing oral and written traditions and cultural attitudes, major authors, time period and works. Oral and written assignments emphasize vocabulary development as well as revising and editing skills.

AP/IB ENGLISH III (APENGLAN A3220100) (IBENG 3 I3220300)

Prerequisite: English II	Credit: 1	GPA: Tier III
Grade Level: 11	Trimesters: 2	

AP/IB English III is a rigorous, college-level course that helps students become skilled readers and writers, providing them with a rich background to earn credit and placement in higher-level college English courses through success on the College Board AP English Language and Composition test and/or the International Baccalaureate English test given in grade 12. Emphasized in the course are thorough reading of international literature of challenging depth and merit, analysis of language and theme, and concentrated practice in oral analysis and written composition. ***Students are expected to take the AP exam and/or appropriate IB assessment.***

ENGLISH IV (ENG 4 03220400)

Prerequisite: English III	Credit: 1	GPA: Tier I
Grade Level: 12	Trimesters: 2	

English IV continues the integration of literature, composition, language and reading. The literary emphasis is on British literature including a study of the origins and development of the English language; unique and written traditions; major authors, periods, and works; and the cultural attitudes and customs of the people. Composition activities are intended to develop a greater fluency and flexibility in writing in the regular classroom and in the computer-writing center.

AP/IB ENGLISH IV (APENGLIT A3220200) (IBENG 4 I3220400)

Prerequisite: English III	Credit: 1	GPA: Tier III
Grade Level: 12	Trimesters: 2	

AP/IB English IV is a rigorous, college-level course where students will be given opportunities to explore a rich variety of classical and contemporary literature that reflects the diversity of our nation and the world. Students will read, interpret, and analyze literature using various techniques of literary criticism and will generate written selections demonstrating sophisticated vocabulary, organization, cohesiveness, and clarity. ***Students are expected to take the AP exam and/or appropriate IB assessment.***

GT ENGLISH I-II (ENG 1 03220100, ENG 2 03220200)

Prerequisite: Previous enrollment in GT or HEB Placement Process	Credit: 1	GPA: Tier II
Grade Level: 9-10	Semesters/Trimesters: 2	

This English course for identified gifted students is a rigorous, college-preparatory course that helps students become skilled readers and writers, and provides them with a rich background to earn credit and placement in higher-level college English course through success on the College Board AP English Language and Literature exams in grades 11 and 12, and/or the International Baccalaureate English test given in grade 12. In addition, GT English provides differentiated learning experiences consistent with the characteristics of the gifted learner. Emphasis is on higher-level thinking processes including critical analysis, creative synthesis, problem solving, and evaluation.

GT ENGLISH III-IV (ENG 3 A3220100, ENG 4 A3220200)

Prerequisite: Previous enrollment in GT or HEB Placement Process	Credit: 1	GPA: Tier III
Grade Level: 11-12	Trimesters: 2	

This English course for identified gifted students is a rigorous, college-preparatory course that helps students become skilled readers and writers, and provides them with a rich background to earn credit and placement in higher-level college English course through success on the College Board AP English Language and Literature exams, and/or the International Baccalaureate English test given in grade 12. In addition, GT English provides differentiated learning experiences consistent with the characteristics of the gifted learner. Emphasis is on higher-level thinking processes including critical analysis, creative synthesis, problem solving, and evaluation.

BUSINESS ENGLISH (BUSENGL 13011600)

Prerequisite: English III	Credit: 1	GPA: Tier I
Grade Level: 12	Trimesters: 2	

This course prepares students for appropriate and effective business communication skills. Students will enhance their oral and written communication skills and their research skills by applying them in the business environment. Students will learn to write professional documents such as emails and memos correctly, how to write and maintain a blog, how to create and maintain a resume and cover letter. Students will also work on interview and employability skills. *This course does not meet NCAA eligibility for a fourth English credit. This course meets the advanced English (English 4) requirement for high school graduation.*

DUAL CREDIT ENGLISH IV (May be offered on high school campus) (IND ENG 03221800 = ENG 1301; ENG 4 03220400 = ENG 1302 & 2322)

Prerequisite: English III; Admission to district approved college; Counselor Approval	Credit: 1½	GPA: Tier II
Grade Level: 12	Trimesters: 3	

Qualified students may take specific college English courses offered by district approved college and the University of Texas at Arlington, and earn both high school and college credit. Successful completion of English Composition II and British Literature I may be counted as one credit in English IV. However, English Composition I is required by TCC as a prerequisite for English Composition II. English Composition I will count as Independent Study in English credit on the student transcript. English Composition II will count as English 4A on the student transcript. British Literature I will count as English 4B on the student transcript. *THE STUDENT MUST PAY ALL TCC COURSE EXPENSES.* A minimum final course grade of 70 must be earned on each English course taken at TCC to continue eligibility for concurrent enrollment in dual credit English courses.

COLLEGE PREPARATORY ENGLISH (CPELA CP110100)

Prerequisite: English I, English II, English III; District placement criteria.	Credit: 1	GPA: Tier I
Grade Level: 12	Trimesters: 2	

College Preparatory English will prepare students for college level reading, writing, and research. Writing assignments will include multi-paragraph compositions of varying genres, research assignments in preparation for writing research papers, and reading assignments in anticipation of college course work.

CREATIVE/IMAGINATIVE WRITING (CREAT WR 03221200)

Prerequisite: None	Credit: ½	GPA: Tier I
Grade Level: 10-12	Trimester: 1	

This course is intended for students who enjoy expressing themselves through original writing. Students will learn techniques for improving their creative writing and for preparing it for publication. Opportunities will be given for students to enter writing contests and to find a market for their work, as well as to write for their own self-expression.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ENG SOL1 2 03220600-700)

Prerequisite:	Identified as Limited English Proficient	Credit:	½-2	GPA: Tier I
Grade Level:	9-12	Semesters/Trimesters:	2	

This course provides instruction to speakers of other languages to help them learn to communicate and to comprehend written and spoken English. Included are listening activities to increase accuracy in comprehension, speaking activities to allow students to learn to express themselves, and reading and writing activities. Integrated are activities that teach American cultural patterns. *ESL I and II may substitute for ENG I and II.*

ENGLISH LANGUAGE DEVELOPMENT AND ACQUISITION 1 & 2(ELDA 03200800; ELDA2 03200810)

Prerequisite:	LEP/LPAC Placement	Credit:	½-2	GPA: Tier I
Grade Level:	10-12	Trimesters:	1-3	

A language development course designed for newcomer students with little to no English. The course is designed to develop foundational English language skills. English language acquisition is facilitated through the use of scaffolding methods to develop receptive and expressive skills.

JOURNALISM AND MEDIA PUBLICATIONS

INTRODUCTION TO JOURNALISM (JRNLSM 03230100)

Prerequisite:	None	Credit:	½-1	GPA: Tier I
Grade Level:	9	Semesters:	1-2	

Introduction to Journalism students will study the history and contemporary role of mass media in the USA. Students have the opportunity to learn about all types of journalistic expression, edit copy using appropriate copy reading and proofreading symbols, understand the elements of news and information, and develop journalistic style. In addition, students will have opportunities to help design the yearbook, capture significant moments through photographs, and create captions, leading to a final product viewable to a large audience.

MEDIA PUBLICATIONS/JOURNALISM I-III

Prerequisite:	Journalism I or Sponsor Approval-Courses must be taken sequentially.	Credit:	½ -3	GPA: Tier I
Grade Level:	10-12	Semesters/Trimesters:	1-6	

These courses offer a creative, hands-on environment in which students collaborate and produce various media products. Students will use professional software and cameras to learn digital storytelling, reporting, photography, and social media as a part of 21st century communication. Students will have opportunities to plan content, design and produce the yearbook, magazine, and/or websites in a student-led program in which their work is published to an audience.

LITERARY MAGAZINE PRODUCTION I-III (INDJOUR 03231000 or 03231011) (LM1-3 03230170-190)

This course introduces students to the elements and processes of magazine-type journalistic products, particularly the school literary arts magazine. Students are taught to plan, organize, edit and layout a literary arts magazine within a given period of time and within a given budget. Student requirements of the course include fundraising for the publication of the magazine.

Literary Magazine III may count as English IV credit requirement.

-OR- NEWSPAPER PRODUCTION I-III (INDJOUR 03231000 or 03231011) (NP1-3 03230140-160)

This course is the study and application of the elements and processes used in producing a school newspaper. Units include planning, organizing and layout of a newspaper within a given period of time and within a given budget. *Newspaper Production II may count as a Technology requirement. Newspaper Production III may count as English IV credit requirement.*

-OR- YEARBOOK PRODUCTION I-III (INDJOUR 03231000 or 03231011) (YBK1-3 03230110-130)

This course introduces students to the elements and processes of magazine-type journalistic products, particularly the school yearbook. Students are taught to plan, organize, and lay out a yearbook within a given period of time and within a given budget. *Yearbook Production II may count as a Technology requirement. Yearbook Production III may count as English IV credit requirement.*

PHOTOJOURNALISM (PHOTJOUR 03230800)

Prerequisite:	1 unit from Journalism	Credit:	½-1	GPA: Tier I
Grade Level:	10-12	Trimesters:	1-2	

This course comprises basic study units in the history of photography and the principles of photogenic composition, camera techniques, and film processing. Students learn to operate varied photogenic equipment. They also learn to select, crop, and scale pictures for use in the newspaper or yearbook and to lay out pictures and write effective cut lines. Students should expect to spend a minimum of \$30.00 per trimester for supplies and materials.

INDEPENDENT STUDY IN JOURNALISM (INDJOUR 03231000)

Prerequisite:	1 unit from Journalism	Credit:	½-1	GPA: Tier I
Grade Level:	12	Trimesters:	1-2	

The activities of this course are individually designed for students whose level of achievement in journalism allows them to pursue work individually or in small groups, with the teacher serving as an advisor and resource person. *Independent Study in Journalism may count for English IV credit.*

READING

ESL READING I-III (READ 1-3 03270700-900)

Prerequisite:	Identified as Limited English Proficient	Credit:	½-3	GPA: Tier I
Grade Level:	9-12	Semesters/Trimesters:	1-6	

This course provides instruction to speakers of other languages in reading. Specific emphasis will be placed on developing reading skills through comprehension strategies, study techniques, and composition.

READING I-III (READ 1-3 03270700-900)

Prerequisite:	None or HEB Placement Process	Credit:	½-3	GPA: Tier I
Grade Level:	9-12	Semesters/Trimesters:	1-6	

This course is intended for the student who needs continued reinforcement of fundamental reading skills. Exemption for this course is based on district criteria.

SPEECH

PROFESSIONAL COMMUNICATIONS (PROFCOMM 13009900)

Prerequisite:	None	Credit:	½	GPA: Tier I
Grade Level:	9-12	Semester/Trimester:	1	

This course provides students the opportunity to enhance their communication skills in written, oral, and web-based environments within a career-based environment. Students will use computer graphics, software applications, and internet research to enhance their ability to write, read, edit, speak, and listen. Some of the projects students will complete are: web-based advertisements, on-line application creation, professional presentations, video interviews, publicity packaging, and financial reporting for corporations. *This course meets the speech requirement for High School graduation and counts toward all endorsements.*

DEBATE I-III (DEBATE 1-3 03240600-800)

Prerequisite:	Courses must be taken sequentially	Credit:	½-3	GPA: Tier I
Grade Level:	10-12	Trimesters:	1-6	

This course offers students the opportunity to understand the procedures used in standard and alternative types of debate, research a topic and organize information for effective use, determine the ethicality of using particular information in debate procedures, and practice fundamental debate techniques using basic processes of logic and reasoning. It is possible to earn credit for six trimesters of debate. Participating in debate tournaments may be required. *May be subject to teacher approval. Debate I may count as speech requirement. Debate III may count as English IV credit requirement.*

DUAL CREDIT INTRODUCTION TO SPEECH COMMUNICATION (COMMAPP 03241400)

Prerequisite:	Credit:	½	GPA: Tier II
10 th grade: Successful completion of AdvAc or GT English 1 10 th -12 th grade TSI compliant in reading and writing; admission to district approved college; counselor approval			
Grade Level:	10-12	Trimester:	1

Qualified students may take this specific course offered by district approved college and earn both high school and college credit. Introduction to Speech Communication introduces the principles and theories embedded in a variety of contexts including interpersonal, small group, and public speaking. Students will study perception, verbal communication, nonverbal communication, listening, audience analysis, problem solving, group roles, leadership styles, research, speech organization, and the delivery of public speeches. Successful completion of this course will fulfill the graduation requirement for Speech.

MATHEMATICS

ALGEBRA I (ALG 1 03100500)

Prerequisite:	8 th grade math or equivalent	Credit:	1	GPA: Tier I
Grade Level:	9-12	Semesters/Trimesters:	2	

The focus of this course is on functional relationships and problem solving in real situations. Students use symbols to represent relationships between quantities; study the meaning, properties and attributes of functions; use linear, quadratic, and exponential functions and equations to represent and model problem situations; and use a variety of methods to solve linear, quadratic, and exponential equations as well as inequalities. They translate among and use algebraic, tabular, and graphical methods to represent linear and quadratic functions and to solve systems of equations. They investigate, describe, and predict the effects of changes on the graphs of linear and quadratic functions. They relate direct variation to linear functions and solve problems involving proportional change.

GEOMETRY (GEOM 03100700)

Prerequisite:	Algebra I	Credit:	1	GPA: Tier I
Grade Level:	9-12	Semesters/Trimesters:	2	

The focus of this course is on exploring and making conjectures about geometric relationships. Students use coordinate, transformational, and axiomatic approaches to develop an understanding of a variety of concepts including properties of polygons, congruence, similarity, angle relationships in polygons and circles, parallel and perpendicular lines, and the relationships between three-dimensional figures. They develop and apply formulas including distance, midpoint, perimeter, area, surface area, and volume. They use probability models to describe and compare situations involving chance.

AdvAc GEOMETRY (GEOM 03100700)

Prerequisite:	AdvAc Algebra I	Credit:	1	GPA: Tier II
Grade Level:	9	Semesters:	2	

This course will cover the same elements as those listed for Geometry above. In addition, applications will be cross-disciplined with a 'real world' project each semester. Successful completion of this course will give students the background to continue the course work that will prepare them for the Standard Level IB Mathematics examination.

MATHEMATICAL MODELS WITH APPLICATIONS (MTHMOD 03102400)

Prerequisite:	Algebra I and Geometry	Credit:	½ - 1	GPA: Tier I
Grade Level:	11-12	Trimesters:	1 - 2	

The focus of this course is on mathematical methods to model and solve real life situations. Students use graphical and numerical techniques to study patterns and analyze data; use probability models to describe everyday situations involving chance; use functional relationships to solve problems related to personal income and financial planning; use algebraic formulas, graphs, and amortization models to solve credit problems; and use geometric models to describe mathematical patterns in science, art, and architecture. ***This course may not address minimum college admissions standards. This course does not meet NCAA eligibility as a math credit.***

ALGEBRAIC REASONING (ALGREAS 03102540)

Prerequisite:	Algebra I	Credit:	½ - 1	GPA: Tier I
Grade Level:	11-12	Trimesters:	1 - 2	

The focus of this course is on bridging the Algebra 1 content to the Algebra II course. Students will review linear, quadratic, and exponential functions from Algebra I and lay the foundation for rational and logarithmic functions in Algebra II. ***This course does not meet NCAA eligibility as a math credit.***

ALGEBRA II (ALG 2 03100600)

Prerequisite:	Algebra I and Geometry	Credit:	1	GPA: Tier I
Grade Level:	10-12	Trimesters:	2	

The focus of this course is on functional relationships and problem solving in real situations. It builds on the Algebra I foundation by expanding the students' understanding to include square root functions, rational functions, and logarithmic functions.

AdvAc ALGEBRA II (ALG 2 03100600)

Prerequisite:	AdvAc Algebra I and AdvAc Geometry	Credit:	1	GPA: Tier II
Grade Level:	10-11	Trimesters:	2	

This course will cover the same elements as those listed for Algebra II above. In addition, applications will be cross-disciplined with a 'real world' project each six weeks. Successful completion of this course will give students the background to continue the course work that will prepare them for the Standard Level IB Mathematics examination.

PRECALCULUS (PRE CALC 03101100)

Prerequisite: Geometry and Algebra II	Credit: $\frac{1}{2}$ -1	GPA: Tier I
Grade Level: 11-12	Trimesters: 1 - 2	

This course integrates the topics of trigonometry, elementary analysis, and analytic geometry to provide a foundation in Precalculus concepts, techniques, and applications and to prepare students for advanced math. An analytical view of data and the study of functions and discrete mathematics are included.

AdvAc PRECALCULUS (PRE CALC 03101100)

Prerequisite: AdvAc Algebra II	Credit: $\frac{1}{2}$ -1	GPA: Tier II
Grade Level: 11	Trimesters: 1 - 2	

This course will cover the same elements as those listed for Precalculus above. In addition, students will be required to complete work on a 'real world' project each six weeks and begin work on their IB Mathematics Portfolio. Successful completion of this course will give students the background to continue with IB Mathematics.

DUAL CREDIT COLLEGE ALGEBRA (INSTUMTH 03102500)

Prerequisite: Precalculus Admission to district approved college; Counselor Approval; TSI compliant in mathematics	Credit: $\frac{1}{2}$	GPA: Tier II
Grade Level: 12	Trimester: 1	

Qualified students may take specific college math courses offered by the district approved college, and earn both high school and college credit. College Algebra is an in-depth study and application of polynomial, rational, radical, exponential and logarithmic functions, and system of questions using matrices. Additional topics may include sequences, series, probability, and conics. The student must pay all course expense set by the university. A minimum final course grade of 70 must be earned in each math course taken at TCC to continue eligibility for concurrent enrollment in dual credit math courses.

DUAL CREDIT PLANE TRIGONOMETRY (INSTUMTH 03102500)

Prerequisite: Precalculus and Dual Credit College Algebra Admission to district approved college; Counselor Approval; TSI compliant in mathematics	Credit: $\frac{1}{2}$	GPA: Tier II
Grade Level: 12	Trimester: 1	

Qualified students may take specific college math courses offered by the district approved college, and earn both high school and college credit. Plane Trigonometry components will include definitions, identities, inverse functions, solutions to equations, graphing, and solving triangles. Additional topics may include vectors, polar coordinates, and parametric equations. The student must pay all course expense set by the university. A minimum final course grade of 70 must be earned in each math course taken at TCC to continue eligibility for concurrent enrollment in dual credit math courses.

DUAL CREDIT ELEMENTARY STATISTICS (INSTUMTH 03102500)

Prerequisite: Precalculus Admission to district approved college; Counselor Approval; TSI compliant in mathematics	Credit: $\frac{1}{2}$	GPA: Tier II
Grade Level: 12	Trimester: 1	

Qualified students may take specific college math courses offered by the district approved college, and earn both high school and college credit. Elementary Statistics is a study of the collection, analysis, presentation, and interpretation of data. Analysis will include descriptive statistics, correlation and regression, confidence interval, and hypothesis testing. The student must pay all course expense set by the university. A minimum final course grade of 70 must be earned in each math course taken at TCC to continue eligibility for concurrent enrollment in dual credit math courses.

ENGINEERING MATHEMATICS (ENGMATH 13036700)

Prerequisite: Algebra II	Credit: 1	GPA: Tier I
Grade Level: 11-12	Trimesters: 2	

Engineering Mathematics requires students to use a variety of mathematical methods and models to represent and analyze problems involving data acquisition, spatial applications, electrical measurement, manufacturing processes, materials engineering, mechanical drives, pneumatics, process control systems, quality control, and robotics with computer programming.

ROBOTICS II (ROBOTIC2 13037050)

Prerequisite: Robotics I	Credit: 1	GPA: Tier I
Grade Level: 11-12	Trimesters: 1 - 2 period block	

Students enrolled in this course will demonstrate advanced knowledge and skills in robotics. Students will learn to build and program robots to perform complex tasks. Students will prepare for and be expected to take the FANUC Robot Operator Certification exam. *An accelerated class with Tier II GPA is available for qualified students. This course meets requirements for a fourth year math credit for high school graduation.*

HONORS ROBOTICS II (ROBOTIC2 13037050)

Prerequisite: Robotics I or Computer Science and Teacher Approval Required	Credit: 1	GPA: Tier II
Grade Level: 11-12	Trimesters: 1 -2 period block	

Students enrolled in this course will demonstrate advanced knowledge and skills in robotics. Students will build and program robots to perform more complex tasks. Students will work in teams to program and enhance their robots. *This course meets requirements for a fourth math credit for high school graduation.*

ADVANCED QUANTITATIVE REASONING (AQR 03102510)

Prerequisite: Geometry and Algebra II	Credit: ½ - 1	GPA: Tier I
Grade Level: 11-12	Trimesters: 1 - 2	

Students will develop and apply skills used in college and careers, including investigation, research, collaboration, and communication of problems in applied situations. They will make decisions and solve problems involving statistics in the media, data management, network graphs, credit and debt, and investments. Students will be prepared with a relevant mathematics foundation for non-mathematics intensive majors in college (such as business, social sciences, the arts, or technical certificate programs).

AP CALCULUS (APCALCAB A3100101) (APCALCBC A3100102)

Prerequisite: AdvAc Precalculus	Credit: 1- 1½	GPA: Tier III
Grade Level: 12	Trimesters: 2-3	

This course is designed for the student who has displayed exceptional mathematical talent. Calculus is a mathematical science used to determine approximations, measure rates of change, and evaluate infinite sums. The content of this course is aligned with the content requirements of Advanced Placement Calculus AB (2 trimesters) and BC (3 trimesters) as prescribed by the College Board. *Students are expected to take the AP exam.*

AP STATISTICS (APSTATS A3200200)

Prerequisite: Precalculus (May be taken concurrently with Precalculus B)	Credit: 1	GPA: Tier III
Grade Level: 11- 12	Trimesters: 2	

Students will interpret, summarize, and compare distributions of univariate data; study methods of data collection; plan and conduct surveys and experiments; and explore the concepts of probability as relative frequency, independent random variables, normal distribution, sampling, statistical inference, and confidence intervals. This course is aligned with the content requirements for Advanced Placement Statistics of the College Board. *Students are expected to take the AP exam.*

IB MATHEMATICS: APPLICATIONS AND INTERPRETATION – SL (IBMATHSL I3100100)

Prerequisite: Algebra II; IB diploma candidate	Credit: 1	GPA: Tier III
Grade Level: 12	Trimesters: 2	

This course is designed to build confidence and an appreciation of mathematics. The content of the course is aligned with the content of the IB Applications and Interpretations syllabus. Core topics include numbers and algebra, functions, geometry and trigonometry, statistics and probability, and calculus. In addition, applications will be integrated within a written individualized research project. Students enrolled in this course are required to take the appropriate IB examination.

IB MATHEMATICS: APPLICATIONS AND INTERPRETATION – HL (IBMATHSL I3100100)

Prerequisite: AdvAc Precalculus; IB diploma candidate	Credit: 1	GPA: Tier III
Grade Level: 12	Trimesters: 3	

This course caters to students who were successful in Precalculus and developed a thorough understanding of material presented. Students will cover the same topics as Applications and Interpretations SL, but will cover more content in each topic, particularly in statistics, probability, and calculus. Core topics include numbers and algebra, functions, geometry and trigonometry, statistics and probability, and calculus. In addition, applications will be integrated within a written individualized research project. *Students enrolled in this course are required to take the appropriate IB examination.*

IB MATHEMATICS: ANALYSIS AND APPROACHES - SL (IBMATHSL I3100100)

Prerequisite:	AdvAc Precalculus; IB diploma candidate	Credit:	½ - 1	GPA:	Tier III
Grade Level:	12	Trimesters:	1-2		

This course is designed for the student who displays exceptional mathematical talent. The content of the course is aligned with the content of the IB Analysis and Approaches syllabus and emphasizes the content not covered in previous mathematics courses. Core topics include algebra, functions and equations, circular functions and trigonometry, statistics and probability, and calculus. Applications will be integrated within a written individualized project. *Students enrolled in this course are required to take the appropriate IB examination.*

IB MATHEMATICS: ANALYSIS AND APPROACHES - HL (IBMATHSL I3100100)

Prerequisite:	AdvAc Precalculus; IB diploma candidate	Credit:	1½	GPA:	Tier III
Grade Level:	12	Trimesters:	3		

This course caters to students with a strong background in mathematics who are competent in a range of analytical skills. The majority of these students will include mathematics as a major component of their university studies, either as a subject in its own right or within courses such as physics, engineering, and technology. Others may take this subject because they have a strong interest in mathematics and enjoy meeting its challenges and engaging in its problems. Applications will be integrated within a written individualized research project. Core topics include algebra, functions, trigonometry, vectors, mathematical proofs, complex numbers, vectors, statistics and probability, calculus and differential equations, and additional topics. This course is available for International Baccalaureate candidates who have been pre-approved by the math department chairperson. *Students enrolled in this course are required to take the appropriate IB examination.*

COLLEGE PREPARATORY MATH (CPMAT CP111200)

Prerequisite:	Algebra I; Geometry; Approved 3 rd mathematics credit; District placement criteria	Credit:	1	GPA:	Tier I
Grade Level:	12	Trimesters:	2		

College Preparatory Math parallels the developmental math courses, Beginning Algebra and Intermediate Algebra, offered at the collegiate level for students who do not satisfy the enrollment criteria for College Algebra.

MATH COURSE SEQUENCING					
Grade Level	Sequence 1	Sequence 2	Sequence 3	Sequence 4	Sequence 5
8 th	8 th Grade Math			Pre-AP Algebra	
9 th	Algebra I	Algebra I	Algebra I	Geometry	AdvAc Geometry
10 th	Geometry	Geometry	Geometry	Algebra II	AdvAc Algebra II
11 th	Algebraic Reasoning or Math Models	Algebra II	AdvAc Algebra II	Precalculus	AdvAc Precalculus
12 th	Algebra II	One of the following: Precalculus AQR Engineering Math	IB Math Studies	One of the following: AQR Engineering Math Dual Credit Math AP Statistics IB Math App. & Interp. Robotics II Honors Robotics II	One of the following: Dual Credit Math AP Statistics AP Calculus IB Math App. & Interp. IB Mathematics Analysis & Approaches SL/HL

*These are the typical course sequences followed by students. Other pathways may be available if appropriate prerequisites are satisfied.

MISCELLANEOUS

ADVANCED RESEARCH AND TECHNICAL WRITING (TECHWR 03221200)

Prerequisite:	IB diploma candidate	Credit:	½-1	GPA: Tier II
Grade Level:	11-12	Trimesters:	1-2	

The Academic Writing and Research course consists of crucial foundational skills that will be required of International Baccalaureate students throughout their two years in the program. Topics will include critical academic writing skills with a major focus on the standard procedure of MLA writing and style, including internal documentation and citation, as well as research strategies and designs and inquiry skills. Students also will improve the structural and stylistic features of their academic writing in addition to learning the Microsoft tools associated with academic writing. This course is highly recommended for every student considering the International Baccalaureate program.

COLLEGE READINESS AND STUDY SKILLS: (CRSS 03270100)

Prerequisite:	Algebra II	Credit:	½	GPA: Tier I
Grade Level:	11-12	Trimester:	1	

Students will be taught the techniques and strategies needed to be successful on standardized college entrance examinations. Emphasis will be placed on both critical reading skills and writing skills including grammar, editing, and thesis development needed for the exam. Students will receive intensive practice and preparation for the mathematics concepts on both the SAT and ACT exams. *Students will be required to register and pay for both the ACT and SAT tests on dates determined by ACT and the College Board that fall closest in the calendar to the end of the course.*

IB BUSINESS AND MANAGEMENT 1 SL (IBBMT1 I3303300; IBBMT2 I3303400)

Prerequisite:	IB diploma candidate	Credit:	1-1½	GPA: Tier III
Grade Level:	11-12	Trimesters:	2-3	

IB Business Management is designed to develop students' knowledge and understanding of business management theories, to introduce a range of business organizations from all sectors, and develop an understanding of today's complex and dynamic business environment. *Students enrolled in this course are required to take the appropriate IB examinations.*

IB THEORY OF KNOWLEDGE (IBTOK I3000100)

Prerequisite:	IB diploma candidate	Credit:	1	GPA: Tier III
Grade Level:	11-12	Trimesters:	2 (1 per IB year)	

Topics in this course will introduce the students to ways of acquiring and evaluating knowledge while challenging them to identify personal and cultural biases that may affect their perception of truth and the world. Students will connect diverse disciplines, cultures, ideologies, and aesthetics to form a mosaic of self-awareness and an understanding of their position in a global society. Application of skills will be integrated into a TOK presentation and formal essay. *Students enrolled in this course are required to take the appropriate IB examination.*

IB ITGS: INFORMATION TECHNOLOGY IN A GLOBAL SOCIETY, STANDARD AND HIGHER LEVEL (IBITGS I3580400) (IBITGS I3580500)

Prerequisite:	IB diploma candidate	Credit:	1-1½	GPA: Tier III
Grade Level:	11-12	Trimesters:	2-3	

The Information Technology in a Global Society course is the study and evaluation of the impacts of information technology (IT) on individuals and society. It explores the advantages and disadvantages of the access and use of digitized information at the local and global level. ITGS provides a framework for the student to make informed judgments and decisions about the use of IT within social contexts. This course meets a technology requirement for high school graduation. *Students enrolled in this course are required to take the appropriate IB examinations.*

METHODOLOGY OF ACADEMIC AND PERSONAL SUCCESS (MAPS N1130021)

Prerequisite:	Application	Credit: Local Credit	½-1	GPA: Tier I
Grade Level:	10	Trimesters:	1-2	

The course focuses on the skills and strategies necessary for students to make a successful transition into high school and an academic career. The course focuses on self-understanding, decision-making, resiliency, attitude, character education, and leadership to help students maximize personal achievement. As part of goal setting and leadership activities, students may complete an outside community service learning experience in addition to class assignments.

OFFICE AIDE (OFFICE AIDE 85000012)

Prerequisite:	Enrollment limited	Credit: Local Credit	½-1	GPA: Tier I
Grade Level:	12	Trimesters:	1-2	

This course will cover general office knowledge, clerical duties, communications, filing, handling mail, developing telephone skills, and office scheduling. Classroom instruction will be minimal since the majority of the course will be actual experience obtained in the school office areas. LOCAL CREDIT IS AWARDED BUT DOES NOT COUNT AS ONE OF THE 26 REQUIRED CREDITS FOR GRADUATION.

PEER ASSISTANCE AND LEADERSHIP (PAL1 N1290005)

Prerequisite: Sponsor Approval	Credit: ½-1	GPA: Tier I
Grade Level: 9-12	Semesters/Trimesters: 2	

This elective course provides selected students an opportunity to work in a helping role with other students. P.A.L. students will learn skills that will enable them to help younger students have a more positive school experience.

PEER ASSISTANCE FOR STUDENTS WITH DISABILITIES I, II (PASWD1 N1290203) (PASWD 2 N1290204)

Prerequisite: Sponsor Approval	Credit: ½-2	GPA: Tier I
Grade Level: 10-12	Trimesters: 1-4	

Peer Assistance for Students with Disabilities is designed to promote an inclusive educational environment for special education students. Peer assistants assist teachers in general education and special education settings by helping to facilitate inclusion in the classroom.

SPORTS MEDICINE I (SPORT MD1 N1150040)

Prerequisite: None	Credit: 1	GPA: Tier I
Grade Level: 10-12	Trimesters: 2	

This class provides an opportunity for the study and application of the components of sports medicine/athletic training including but not limited to: sports medicine careers, organizational and administrative considerations, prevention of athletic injuries, rehabilitation, recognition, evaluation, and immediate care of athletic injuries, rehabilitations and management skills, taping and wrapping techniques, first aid/CPR/AED, emergency procedures, nutrition, sports psychology, therapeutic modalities, and therapeutic exercise.

SPORTS MEDICINE II (SPORT MD2 N11500401)

Prerequisite: Sports Medicine I	Credit: 1	GPA: Tier I
Grade Level: 11-12	Trimesters: 2	

This course is designed for students in the student athletic training program, and provides a more in-depth study and application of the components of sports medicine. Individualized and independent assignments will be included in this course. The course will involve outside-of-class time homework and time required working with athletes and athletic teams. Students will have the opportunity to become certified in first aid, and CPR/AED.

STUDENT LEADERSHIP (STUDEAD N1290010)

Prerequisite: Application	Credit: ½-1	GPA: Tier I
Grade Level: 11-12	Trimesters: 1-2	

Student Leadership is a course for students who seek opportunities to expand and deepen their group and individual leadership skills to positively impact their own lives and community. Students solve relevant and current school and community issues by working collaboratively and independently on high-level, real-world tasks such as project proposals, portfolios, and presentations.

SUPPORTIVE PEERS (SPTPR N1290202)

Prerequisite: Application and Screening Process	Credit: ½-1	GPA: Tier I
Grade Level: 9-12	Semesters/Trimesters: 2	

This is a peer-tutoring course to assist students with disabilities. Peer tutors, or Supportive Peers, are given the opportunity to gain an understanding and acceptance of individual differences. They learn about disabilities, instructional strategies, behavior modification techniques and legal issues related to people with special challenges. A Supportive Peer will accompany a student with special challenges to class to offer support as a tutor/friend. Thirty minutes weekly is required outside of the scheduled class period.

STAAR (STLHSM N1110030) (SCITECH N1120039) (SPTSS 03380002) (INDENG 03221800)

Prerequisite: Non-Mastery on STAAR and Administration's Recommendation	Credit: ½-1	GPA: Tier I
Grade Level: 9-12	Semesters/Trimesters: 2	

Remediation of state curriculum objectives as per student need is the focus.

PHYSICAL EDUCATION/HEALTH/ATHLETICS

A maximum of 4 Athletics or PE credits (1 per year) are all that are allowed to count toward graduation requirements. Anything more than 1 credit per year will count as a Local Credit and will not count toward state credits for graduation. Semester/trimester grades for local credits will count toward GPA/Class Rank.

HEALTH EDUCATION (HLTH ED 03810100)

Prerequisite: None	Credit: ½	GPA: Regular or Tier I
Grade Level: 9-12	Semesters/Trimesters: 1	

Course content provides personal safety, drugs and drug abuse, risky behaviors, infectious and non-infectious diseases, HIV/AIDS and other STD, consumer health, first-aid, stress management, personal fitness and nutrition. These studies focus on individual health status, practices, attitudes, interest and knowledge. *One credit of* Principles of Health Science; Principles of Human Services; Counseling & Mental Health; Cosmetology I.

FOUNDATIONS OF PERSONAL FITNESS (PEFOUND PES00052)

Prerequisite: None	Credit: ½-1	GPA: Regular or Tier I
Grade Level: 9-12	Semesters/Trimesters: 1-2	

This course is the recommended prerequisite for all other physical education courses. The basic purpose of the course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness.

PHYSICAL EDUCATION/INDIVIDUAL/TEAM SPORTS (PEITS PES00055)

Prerequisite: None	Credit: ½-1	GPA: Regular or Tier I
Grade Level: 9-12	Semesters/Trimesters: 1-2	

This course is designed to provide students with basic motor skills essential for movement efficiency. Students will have the opportunity to participate in individual and dual sports, leisure and lifetime activities. Each activity is taught with special emphasis on physical fitness concepts. Students may participate in activities such as aerobics, archery, badminton, bowling, dance, golf, outdoor recreational activities, swimming, table tennis, and weight training. Bowling is available on a limited basis and requires a student to pay for the expense involved. Students selected for drill team and cheerleading after tryouts will register for the appropriate Physical Education or Dance Class.

AEROBICS (PEAA PES0054)

Prerequisite: None	Credit: ½-1	GPA: Regular or Tier I
Grade Level: 10-12	Trimesters: 1-2	

Aerobics is a fun and exciting physical education course. The focus is on developing fitness through various activities, such as, aerobic dance, step aerobics, jump bands, kick boxing activities, etc.

OFF-CAMPUS PHYSICAL EDUCATION

Prerequisite: District approval process	Credit: ½-1	GPA: Regular or Tier I
Grade Level: 9-12	Semesters/Trimesters: 1-2	

This program is limited to select and district approved dance, equestrian, fencing, figure skating, ice hockey, certain martial arts programs, and water polo that meet the state and local requirements. Applications are available in the HEB website under the department of Physical Education. Complete and return all applications and fees to the Department of Educational Support Services, Health and Physical Education.

ATHLETICS I-IV

The following courses are offered as competitive athletics and are governed by the rules and regulations of the University Interscholastic League with the exception of gymnastics. Athletics may count in lieu of Physical Education as required for graduation. Prerequisites: Interest, Ability and Coach Approval. All Athletics courses earn Regular or Tier 1 GPA value. Students may earn up to one credit per year for Athletics. In grades 10-12, if a student is in Athletics for a full school year, the last trimester will count as a local credit only.

Boys	Grade Level	Girls	Grade Level
Baseball	9-12	Basketball	9-12
Basketball	9-12	Cross Country	9-12
Cross Country	9-12	Golf	9-12
Football	9-12	Gymnastics	9-12
Golf	9-12	Soccer	9-12
Gymnastics	9-12	Softball	9-12
Soccer	9-12	Swimming	9-12
Swimming	9-12	Tennis	9-12
Tennis	9-12	Track	9-12
Track	9-12	Volleyball	9-12
Wrestling	9-12	Wrestling	9-12

SCIENCE

INTEGRATED PHYSICS AND CHEMISTRY (IPC 03060201)

Prerequisite:	None	Credit:	1	GPA: Tier I
Grade Level:	9-10	Semesters/Trimesters:	2	

In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in such topics as motion waves, energy transformation, properties of matter, changes in matter, solution chemistry, and the dynamics of systems in the natural world. *This course may not be taken as the final course in the Science sequence.*

BIOLOGY (BIO 03010200)

Prerequisite:	None	Credit:	1	GPA: Tier I
Grade Level:	9-11	Semesters/Trimesters:	2	

In Biology, students conduct field investigations, use scientific methods and make informed decisions using critical-thinking and scientific problem solving. Topics studied include: structures and functions of cells and viruses, growth and development of organisms, cells, tissues, and organs, nucleic acids and genetics, biological evolution, taxonomy, metabolism and energy transfers in living organisms, living systems, homeostasis, ecosystems, and plants, and the environment.

AdvAc BIOLOGY (BIO 03010200)

Prerequisite:	HEB Selection Process	Credit:	1	GPA: Tier II
Grade Level:	9	Semesters:	2	

This is a more rigorous course intended for those whose intention is to pursue the advanced courses of Biology. The content includes topics and activities that are designed to provide the student with a sound fundamental knowledge of high school level Biology and to prepare students for the advanced Biology classes. *RESEARCH PROJECTS ARE REQUIRED.*

AP BIOLOGY (AP-BIO A3010200)

Prerequisite:	AdvAc Biology; Chemistry	Credit:	1 ½	GPA: Tier III
Grade Level:	10-12	Trimesters:	3	

This Biology course will follow a curriculum presenting topics and activities compatible with College Board guidelines in preparation for AP assessments. *Students are expected to take the AP exam.*

IB BIOLOGY, STANDARD AND HIGHER LEVEL (IBBIOSL I30102001) (IBBIOHL I3010202)

Prerequisite:	AdvAc Biology I; Chemistry I (may take concurrently); IB diploma candidate	Credit:	2	GPA: Tier III
Grade Level:	12	Trimesters:	2-4	

This Biology course is a rigorous laboratory course designed to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Topics studied include chemistry of life, heredity and evolution; and organisms and population. In addition, concepts will be integrated within a written individualized research project. *Students enrolled in this course are required to take the appropriate IB examination.*

CHEMISTRY I (CHEM 03040000)

Prerequisite:	1 credit of High School Science and Algebra I	Credit:	1	GPA: Tier I
Grade Level:	10-12	Trimesters:	2	

In Chemistry I, students will explore the properties and reactions of matter and related chemical principles. This course will focus on how chemistry affects everyday life. Students will conduct field and laboratory investigations to apply critical thinking skills and scientific problem solving. Topics for study include States and changes in matter, energy, atomic structure, formula writing, trends in the periodic table, chemical reactions, bonding, acids and bases, solutions, and behavior of gases.

AdvAc CHEMISTRY I (CHEM O3040000)

Prerequisite:	1 credit of High School Science and Algebra I	Credit:	1	GPA: Tier II
Grade Level:	10-12	Trimesters:	2	

In Pre AP/IB Chemistry I, students will explore the properties and reactions of matter and related chemical properties. This course uses a quantitative and theoretical approach to chemistry. It lays the foundation for the AP/IB program and post-graduation studies. Students will conduct field and laboratory investigations to apply critical thinking skills and scientific problem solving using advanced techniques. Students will assemble a portfolio of their laboratory experiences and required independent research projects. Topics studied will include: states and changes in matter, energy, atomic structure, formula writing, trends in the periodic table, chemical reactions, bonding, acids and bases, solutions, behavior of gases, equilibrium, reaction rates and reduction/oxidation.

AP CHEMISTRY (AP-CHEM A3040000)

Prerequisite:	AdvAc Chemistry	Credit:	1 -1½	GPA: Tier III
Grade Level:	11-12	Trimesters:	2-3	

This is the second year laboratory course in chemistry designed to offer students advanced level experiences in chemistry. This course will follow the curriculum and evaluation criteria standards set by the College Board (AP). Individual laboratory portfolio and research projects are required.

Students are expected to take the AP exam.

IB CHEMISTRY STANDARD AND HIGHER LEVEL (IBCHEMSL I3040002) (IBCHEMHL I3040003)

Prerequisite:	AdvAc Chemistry; IB diploma candidate	Credit:	1½	GPA: Tier III
Grade Level:	11-12	Trimesters:	3	

This second year laboratory Chemistry course is a rigorous laboratory course designed to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of chemistry. **RESEARCH PROJECTS ARE REQUIRED.**

Students are required to take the IB assessment.

EARTH AND SPACE SCIENCE (ESS O3060200)

Prerequisite:	3 units of Science and 3 units of Math (May be taken concurrently)	Credit:	1	GPA: Tier I
Grade Level:	12	Trimesters:	2	

Earth Space Science is a capstone course designed to build on students' prior scientific and academic knowledge and skills to develop an understanding of Earth's systems in space and time. Students will study the geosphere (solid Earth), hydrosphere (water), and atmosphere systems. They will focus on how these systems interact with each other and how all of them interact with the biosphere (life). In addition, students will investigate how the Earth is part of the much larger solar and stellar systems.

ENVIRONMENTAL SYSTEMS (ENVIRSYS O3020000)

Prerequisite:	2 credits of Science	Credit:	1	GPA: Tier I
Grade Level:	11-12	Trimesters:	2	

In this course students conduct field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Topics studied include biotic and abiotic factors in habitats, ecosystems and biomes, Interrelationships among resources and an environmental system, and sources and flow of energy through an environmental system.

AP ENVIRONMENTAL SCIENCE (AP-ENVIR A3020000)

Prerequisite:	Biology I and Teacher Approval	Credit:	1	GPA: Tier III
Grade Level:	10-12	Trimesters:	2	

The course will follow the curriculum and evaluation criteria standards set by the College Board. Individual laboratory portfolio and research projects are required. Entry into the C part of this course is optional and students must have teacher approval. *Students are expected to take the AP exam.*

ORGANIC CHEMISTRY (ORGCHEM N1120027)

Prerequisite:	Recommended AP Chemistry	Credit:	½ - 1	GPA: Tier III
Grade Level:	11-12	Trimesters:	2	

This course is structured as a college-level introductory organic chemistry course. First semester topics include introductory chemical nomenclature, chemical structure and bonding, acid-base relationships, mechanistically simple organic reactions, and introductory organic synthesis. First semester laboratory exercises include hands-on introductions to techniques such as crystallization, distillation, extraction, and chromatography. Second semester topics include advanced chemical nomenclature, theoretical aspects of structure determination, organic reactions and syntheses of increased complexity, and introductory biochemistry. Laboratory exercises focus on synthetic techniques, modern spectroscopic techniques such as IR and NMR, and structure elucidations of complex unknowns. This course counts as an elective credit only and cannot be used to satisfy advance science requirements for graduation.

IB ENVIRONMENTAL SYSTEMS AND SOCIETIES (SL) (IBENVIRS I3020000; SCIRD 13037200)

Prerequisite:	One year of high school science; IB diploma candidate	Credit:	1 -1 ½	GPA: Tier III
Grade Level:	11-12	Trimesters:	2-3	

Through studying environmental systems and societies (ES&S) students will be provided with a coherent perspective of the interrelationships between environmental systems and societies; one that enables them to adopt an informed personal response to the wide range of pressing environmental issues that they will inevitably come to face. The teaching approach is such that students are allowed to evaluate the scientific, ethical and socio-political aspects of issues. *Students enrolled in this course are required to take the appropriate IB examination.*

FORENSIC SCIENCE (FORENSCI 13029500)

Prerequisite:	Chemistry	Credit:	1	GPA: Tier I
Grade Level:	11-12	Trimesters:	2	

Forensic Science is a course that uses a structured and scientific approach to the investigation of criminal activity and behavior. Students will learn terminology and investigative procedures related to crime scene analysis, and scientific procedures used to solve crimes. History, legal aspects, and career options for forensic science will be explored.

PHYSICS I (PHYSICS 03050000)

Prerequisite:	Algebra I and Geometry or concurrent Algebra II	Credit:	1	GPA: Tier I
Grade Level:	11-12	Trimesters:	2	

This basic course in physics presents students with experience in real life physics. The course content focuses on physics principles, which explain structure and function in everyday materials and situations.

AdvAc PHYSICS I(PHYSICS 03050000)

Prerequisite:	Pre-Calculus or concurrent enrollment or Teacher Approval	Credit:	1	GPA: Tier II
Grade Level:	9-12 (Central Jr High only)	Semesters/Trimesters:	2	

This laboratory Physics course presents the objectives related to the College Board and International Baccalaureate organization. In addition, concepts will be integrated within a written individualized research project. This course prepares students to take the AP or IB examination.

ENGINEERING SCIENCE (ENGSCI 13037500)

Prerequisite:	Algebra I and 1 Science credit	Credit:	1	GPA: Tier I
Grade Level:	11-12	Trimesters	2	

This course allows students to work on their Science credit at the BCTEA. Students will conduct laboratory and field investigations using the scientific method and making informed decisions using critical thinking and problem solving. Topics covered include laws of motion, conservation of energy, momentum, magnetism and thermodynamics. *This course meets a science credit for high school graduation.*

AP PHYSICS 1, 2, C (AP PHYSICS1 A3050003) (AP PHYSICS2 A3050004) (AP-PHYSC A3050002)

Prerequisite:	AdvAc Physics	Credit:	1 -1½	GPA: Tier III
Grade Level:	10-12	Trimesters:	3	

This physics course presents the objectives related to the College Board advanced placement physics 1, and 2 courses. Research projects are required. Entry into the C part of this course is optional and students must have teacher approval. *Students are expected to take the AP exam.*

IB PHYSICS STANDARD AND HIGHER LEVEL (IBPHYSSL I3050002) (IBPHYSHL I3050003)

Prerequisite:	Chemistry or Teacher Approval	Credit:	1- 1½	GPA: Tier III
Grade Level:	11-12	Trimesters:	2 -3	

This rigorous laboratory physics course presents the objectives related to the International Baccalaureate curriculum at the higher level. In addition, concepts will be integrated within a written individualized research project. Students enrolled in this course are required to take the appropriate IB examination.

ANATOMY AND PHYSIOLOGY (ANATPHYS 13020600)

Prerequisite:	Biology I; Chemistry I	Credit:	1	GPA: Tier I
Grade Level:	11-12	Trimesters:	2	

This course is a laboratory course with emphasis on the relationships between anatomical structures and physiology of the human body. The topic content of this course includes histology (tissues), kinesiology, and the function of organs in relation to other organs and to the body as a whole.

HONORS ANATOMY AND PHYSIOLOGY (ANATPHYS 13020600)

Prerequisite:	Biology I; Chemistry I and Teacher Approval	Credit:	1	GPA: Tier II
Grade Level:	11-12	Trimesters:	2	

This course is a laboratory course with emphasis on the relationships between anatomical structures and physiology of the human body. The topic content of this course includes histology (tissues), kinesiology, and the function of organs in relation to other organs and to the body as a whole.

A RESEARCH PROJECT IS REQUIRED IN THIS CLASS.

DUAL CREDIT ANATOMY AND PHYSIOLOGY (TCC BIOL2401, BIOL 2401L; BIOL 2402, BIOL 2502L)

Prerequisite:	Admission to district approved college, Counselor approval required	Credit:	1	GPA: Tier II
Grade Level:	11-12	Trimesters:	2	

This course will not be taught on the high school campus and must be taken at TCC. *The student is responsible for transportation.* Dual credit Anatomy and Physiology is a 2-semester course with lab. It is a study of the human body including cells, tissue and organs of the following systems: Integumentary, skeletal, muscular, nervous, and special senses. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintain homeostasis. The second semester of the course focuses on the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, and digestive (including human development and genetics). *Labs are required for both semesters.*

HONORS AEROSPACE I (SCIRD 13037200)

Prerequisite:	Algebra II or Physics (can be concurrently)	Credit:	1	GPA: Tier II
Grade Level:	10-12	Trimesters:	2	(Fall and Winter)

Aerospace I is a highly challenging course which uses a project based approach in order to explore the basic physics, engineering, and math of flight. Students will learn via a combination of teacher led lecture and discussion, and student led projects. Students will gain an understanding of aerospace engineering through the design, building, launching, and recovery of small to medium sized rockets.

MEDICAL MICROBIOLOGY (MICRO 13020700)

Prerequisite:	Biology, Chemistry, Principles of Health Science	Credit:	1	GPA: Tier I
Grade Level:	11-12	Trimesters:	2	

This course is a laboratory course which can count as a fourth year of science credit. Students in this course will explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. At least 40% of instructional time, the students will conduct laboratory investigations, using critical thinking, scientific reasoning, and problem solving to grow, test, and identify microorganisms.

PATHOPHYSIOLOGY (PATHO 13020800)

Prerequisite:	Biology, Chemistry, Principles of Health Science	Credit:	1	GPA: Tier I
Grade Level:	11-12	Trimesters:	2	

Students in this course will learn about a variety of human diseases, including those that are common, rare, drug-resistant, re-emergent, congenital, and will learn how to differentiate their causes, signs and symptoms, diagnosis, prognosis, and treatment options. In addition, students will learn about the prevention of disease, evaluating public health issues related to asepsis, isolation, immunization, and quarantine, analyzing the effects of stress and aging on the body and investigating diseases that threaten world health. Problem-solving will be emphasized as students propose intervention strategies and develop their own personal plan for personal health and wellness. Forty percent of class time will be in a laboratory setting, allowing students to gain Science credit for the course.

SOCIAL STUDIES

WORLD GEOGRAPHY STUDIES (W GEO 03320100)

Prerequisite: None	Credit: 1	GPA: Tier I
Grade Level: 9-12	Semesters/Trimesters: 2	

The course is designed to give students unique perspectives about their own culture and physical environment in relationship to other places, cultures, and societies. These fundamental insights prepare students for daily interaction in a broad range of economics, political, and social issues. The primary goals of the course are to reinforce and refine basic geographic concepts and skills, help students think critically, form independent judgments, and develop competencies essential for effective citizenship in a global world. **An AdvAc class with tier II GPA is available for qualified 9TH grade students.**

AP HUMAN GEOGRAPHY STUDIES (APHUMGEO A3360100)

Prerequisite: HEB Placement Process	Credit: 1	GPA: Tier III
Grade Level: 9	Semesters: 2	

The purpose of this course in Human Geography is to introduce the students to the systematic system of patterns and processes that have shaped the human understanding, use and alteration of the Earth's surface. Students will employ spatial concepts and landscape analysis to analyze human social organizations and its environmental consequences. In this two-trimester course the human students will use and think about maps, understand and interpret the implications of associations among phenomena in places, define regions and evaluate the regionalization process, characterize and analyze changing interconnections among places. *Students are expected to take the AP exam.*

IB GEOGRAPHY STANDARD AND HIGHER LEVEL (IBGEO I3302100) (IBGEO I3302200)

Prerequisite: Geography for HL students and AdvAc; IB diploma candidate	Credit: 1-2	GPA: Tier III
Grade Level: 12	Trimesters: 2-4	

Students will seek to understand the difference in patterns in the physical environment in our universe, people's use of the Earth and how these differences are related to people's cultures and economies. Students will be expected to demonstrate understanding of geographical concepts and theories through the acquisition, selection, and effective use of knowledge; recognize and appreciate the relevance of geography to contemporary and world issues; and demonstrate knowledge of and an ability to apply (through field studies) appropriate geographical techniques and methodologies relevant to geographical inquiry. These concepts will be integrated within a written individualized research project. *Students enrolled in this course are required to take the appropriate IB examination.*

WORLD HISTORY STUDIES (W HIST 03340400)

Prerequisite: None	Credit: 1	GPA: Tier I
Grade Level: 10	Trimesters: 2	

This survey course is a study of the history of a variety of world cultures, their values, beliefs, political ideas, institutions, and innovations, as well as cultural diffusion and the links that connect different societies. Emphasis will be on political revolutions, industrial and technological revolutions, and the growth and mobility of the world's population. There will be a historical perspective on contemporary trends, issues, and problems and will emphasize the need for global cooperation to solve world problems.

AP WORLD HISTORY STUDIES (AP W HIST A3370100)

Prerequisite: HEB Placement Process	Credit: 1	GPA: Tier III
Grade Level: 10	Trimesters: 2	

The purpose of this course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. Focused primarily on the past thousand years of the global experience, the course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage prior to 1000 A.D. Emphasis will be on preparing students to take the Advanced Placement exam and those analytical and writing skills necessary to succeed. *Students are expected to take the AP exam.*

UNITED STATES HISTORY (US HIST 03340100)

Prerequisite: None	Credit: 1	GPA: Tier I
Grade Level: 11	Trimesters: 2	

This is a study of the geographic, political, social and economic development of the United States from the Reconstruction era through this decade. Emphasis is placed on leaders, issues, events, and U.S. policies. The study traces the emergence of the United States as a world power and its position as leader of democratic nations. With this background, a study of contemporary U.S. and world affairs becomes an essential element for the course.

AP US HISTORY (APUSHIST A3340100)

Prerequisite:	HEB Placement Process	Credit:	1	GPA: Tier III
Grade Level:	11	Trimesters:	2	

This course is designed as a college level study of American History that provides students with opportunities to demonstrate their high ability achievements while acquiring a background that enables them to earn college credit in higher level history through an examination. Supplementary readings in the form of documents, essays, and primary sources provide both a chronological and thematic study of America's development from the first colonial settlement to the present. Emphasis is placed on the development of student's interpretive and analytical writing skills. *Students are expected to take the AP exam.*

IB HISTORY OF THE AMERICAS (IBHISTAM I3301300)

Prerequisite:	IB diploma candidate	Credit:	1- 1 ½	GPA: Tier III
Grade Level:	11-12	Trimesters:	2-3	

This course is designed to introduce students to the International aspects of the IB program, emphasizing the social, political and economic history of the United States, Latin America, and Canada. These concepts will be integrated within a written individualized research project to be completed over the course of the program. Successful completion of this course will give students the background to continue work that will prepare them for successful completion of all required assessment in Higher Level IB History of the Americas. Concepts will be integrated into an individualized research project. *Students enrolled in this course are required to take the appropriate IB examination.*

IB 20th CENTURY TOPICS (IBHISTAM I3301300)

Prerequisite:	IB History of the Americas	Credit:	1	GPA: Tier III
Grade Level:	12	Trimesters:	2	

Twentieth Century topics include: Causes, practices, and effects of war, Nationalist and independence movements, the rise and rule of single-party states, peace and cooperation, international organizations and multi-party states; The Cold War from 1960-1979, and the state and its relationship with religion and minorities. Concepts will be integrated into an individualized research project. Completion of course fulfills the graduation requirement for Government. *Students enrolled in this course are required to take the appropriate IB examination.*

UNITED STATES GOVERNMENT (US GOVT 03330100)

Prerequisite:	None	Credit:	½	GPA: Tier I
Grade Level:	12 or 11 with teacher approval	Trimesters:	1	

Attention will be focused on the structure and function of American, Texas, and local governments. Theory of different forms of government is outlined, and the purpose and work of the legislative, judicial, and executive branches of government are investigated. Emphasis is on concepts of political participation, leadership, decision-making, political institutions, nature of laws and rights and responsibilities of American citizenship.

AP GOVERNMENT AND POLITICS (APUSGOVT A3330100)

Prerequisite:	HEB Placement Process	Credit:	½	GPA: Tier III
Grade Level:	12 or 11 with teacher approval	Trimesters:	1	

This course is a college-level study of American government and politics that helps student's interpretative and analytical skills, and acquires a background that enables them to earn college credit in government. The study requires a student to learn facts and concepts, understand the political processes, and use information critically to evaluate general propositions about politics and government. They learn to present data relevant to government and politics in written arguments and become aware of institutions, groups, beliefs, and ideas of U.S. politics. *Students are expected to take the AP exam.*

DUAL CREDIT UNITED STATES GOVERNMENT

Prerequisite:	Admission to district approved college Counselor approval required	Credit:	½	GPA: Tier II
Grade Level:	12	Trimesters:	1	

Qualified students may take a specific government course offered by district-approved college, and earn both high school and college credit. *THE STUDENT MUST PAY ALL COURSE EXPENSES.*

ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM AND ITS BENEFITS (ECO-FE 03310300)

Prerequisite:	None	Credit:	½	GPA: Tier I
Grade Level:	12	Trimesters:	1	

This course is designed to give students economic literacy as consumers in the economic system. It is a study of basic principles and theories with emphasis on helping develop competencies in the application of economic knowledge to daily functions and decision-making. Essentials and benefits of the free enterprise system will be studied.

AP ECONOMICS (APMACECO A3310200)

Prerequisite:	HEB Placement Process for IB	Credit:	½	GPA: Tier III
Grade Level:	12	Trimesters:	1	

This course is college level economics and helps students develop skills of analysis and a background allowing them to earn credit and placement in introductory college economics courses. It emphasizes fundamental concepts such as scarcity, opportunity costs, tradeoffs, the functions of an economic system, the tools of supply and demand and how they can be used to analyze a market economy, and international economic factors (exchange rates, trade and balance of payments). The course emphasizes the importance of wise decision making as consumers and producers. Required are math, logic and verbal skills. *Students are expected to take the AP exam.*

DUAL CREDIT ECONOMICS (ECO-FE 03310300)

Prerequisite:	Admission to district approved college; Counselor Approval	Credit:	½	GPA: Tier II
Grade Level:	12	Trimesters:	1	

Qualified students may take a specific economics course offered by the district approved by college, and earn both high school and college credit *THE STUDENT MUST PAY ALL COURSE EXPENSES.*

IB ECONOMICS, STANDARD AND HIGHER LEVEL (IBECO-SL I3303100) (IBECO-HL I3303200)

Prerequisite:	IB diploma candidate	Credit:	1 -1½	GPA: Tier III
Grade Level:	11- 12	Trimesters:	2-3	

This course is a college level economics course based on the IB curriculum. In addition to the fundamental concepts, it also addresses the microeconomic concepts of markets, elasticity and market failures, as well as the macroeconomic concepts of national income and unemployment. This course also emphasizes international trade and development economics. *Students are required to take the IB assessment.*

ADVANCED AP ECONOMICS/GOVERNMENT (SSADV1 03380001)

Prerequisite:	AP Economics and AP Government	Credit:	½	GPA: Tier III
Grade Level:	12	Trimesters:	1	(Spring only)

This one trimester course is designed to further student's depth of knowledge and better prepare for the upcoming College Board AP tests. *Students are required to take the AP exam in both Economics and Government.*

AP EUROPEAN HISTORY (APEUHIST A3340200)

Prerequisite:	World Geography or World History	Credit:	½ - 1	GPA: Tier III
Grade Level:	10-12	Trimesters:	1 - 2	

Advanced Placement European History is a college level study that promotes understanding of some of the principle themes of modern European history and foster critical thinking. The course focuses on basic chronology of European history, major events and trends from High Renaissance, which are approximately 1450 to recent events. Students have the opportunity to demonstrate higher-level analytic skills, fill in some historical gaps in their academic background, and acquire knowledge and a background that enables them to earn credit in college level history. *Students are expected to take the AP exam.*

PSYCHOLOGY (PSYCH 03350100)

Prerequisite:	None	Credit:	½	GPA: Tier I
Grade Level:	10-12	Trimesters:	1	

This course is an introduction to the study of human behavior with an emphasis on heredity, environment, learning, personality dynamics, group processes, and individual differences. It provides for the study of individual and group psychology and how the knowledge, methods, and theories of psychologists are applied to the explanation of human behavior. Study in this field enables the student to better understand self and others as well as gain an insight into human nature.

AP PSYCHOLOGY (SSADVI 03380001; APPSYCH; A3350100)

Prerequisite:	None	Credit:	1	GPA: Tier III
Grade Level:	11-12	Trimesters:	2	

This course is designed as a college level study that introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas. *Students are expected to take the AP exam.*

IB PSYCHOLOGY, STANDARD LEVEL: (IBPSYCSL 13304100)

Prerequisite:	IB diploma candidate	Credit:	1	GPA: Tier III
Grade Level:	11-12	Trimesters:	2	

IB Psychology examines the interaction of biological, cognitive and sociocultural influences on human behavior, thereby adopting an integrative approach. Understanding how psychological knowledge is generated, developed and applied enables students to achieve a greater understanding of themselves and appreciate the diversity of human behavior. The ethical concerns raised by the methodology and application of psychological research are key considerations. Concepts will be integrated into an individualized research project. *Students enrolled in this course are required to take the appropriate IB examination.*

SOCIOLOGY (SOC 03370100)

Prerequisite:	None	Credit:	½	GPA: Tier I
Grade Level:	10-12	Trimesters:	1	

This course examines the structure, attitudes, and behavior of social groups. Included in the course is a study of individual and societal values, an overview of social institutions (family, school, church, government, economic) and an investigation of society's effect on individuals. Also included are contemporary social problems: crime, prejudice, aging, death, and overpopulation.

PERSONAL FINANCIAL LITERACY (PFL 03380082)

Prerequisite:	None	Credit:	½	GPA: Tier I
Grade Level:	10-12	Trimesters:	1	

Personal Financial Literacy will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. Students will apply critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and college and post-secondary education and training.

VISUAL AND PERFORMING ARTS

ART

(Students taking art courses will be assessed a fee for supplies and materials)

ART I (ART 1 03500100)

Prerequisite: None	Credit: ½ -1	GPA: Tier I
Grade Level: 9-12	Semesters/Trimesters: 1-2	

This is a broad course utilizing art fundamentals in areas of two-dimensional and three-dimensional design. Areas covered may include design, drawing, painting, printmaking, ceramics and sculpture.

ART II (ART2DRAW 03500500, ART2PATG 03500600, ART2PRNT 03500700, ART2FBRS 03500800, ART2CRMC 03500900, ART2SCLP 03501000, ART2JWLR 03501100)

Prerequisite: Art I B	Credit: ½-1½	GPA: Tier I
Grade Level: 10-12	Trimesters: 1-3 (3 rd only with teacher approval)	

Art II further develops skills, knowledge and concepts introduced in Art I A-B. Students may select from the following classes: drawing, painting, ceramics, photography, sculpture, jewelry and 3-D design. More than one Art II credit may be earned as long as the credits are in different disciplines, *i.e.*, Art II Drawing 1 credit; and Art II Painting 1 credit.

ART III (ART3DRAW 03501300, ART3PATG 03501400, ART3PRNT 03501500, ART3FBRS 03501600, ART3CRMC 03501800, ART3SCLP 03501900, ART3JWLR 03502000)

Prerequisite: Art II and teacher approval	Credit: ½ -1	GPA: Tier I
Grade Level: 10-12	Trimesters: 1-2	

Art III further develops skills, knowledge and concepts introduced in Art II A-B. Students may select from the following classes: drawing, painting, printmaking, ceramics, fibers, sculpture, and jewelry. More than one Art III credit may be earned as long as the credits are in different disciplines, *i.e.*, Art III Drawing 2 credit; and Art III Painting 2 credit. *An accelerated course with Tier II is available.*

AP ART IV (APSTARTD A3500300) (AP2DDP A3500400)

Prerequisite: Teacher approval and see below: Art II and portfolio approval	Credit: 1-3	GPA: Tier III
Grade Level: 11-12	Trimesters: 2-6	

The course prerequisite is successful completion of Art II with an 85 or above and portfolio approval. Also, well-developed techniques with a variety of media, creativity, maturity, and motivation to work independently, a recommendation from the previous art teacher, and a parental approval will be considered in selecting AP Art Students. To continue study in AP Art IV, a student must have maintained an 85 or above in AP Art III, submit a portfolio of work completed in Art III, and have maintained characteristics described for entering the AP program throughout the previous year. *Students are expected to take the AP exam.*

DUAL CREDIT ART APPRECIATION (ART1APP 03500110)

Prerequisite: Admission to district approved college; Counselor approval	Credit: 1	GPA: Tier II
Grade Level: 10-12	Trimesters: 1	

Qualified students may take specific college art courses offered by the district-approved college, and earn both high school and college credit. This course is an introduction to the visual arts designed to create an appreciation of the vocabulary, media, techniques, and purposes of the creative process. Students will critically interpret and evaluate works of art found within formal, cultural, and historical contexts. Successful completion of this course will fulfill the state Fine Arts graduation requirement. *The student must pay all TCC course expenses.*

IB ART III & IV STANDARD AND HIGHER LEVEL (IBART SLA I3600200) IBARTSLB I3600302)

Prerequisite: Teacher approval and see below: Art II and portfolio approval, IB diploma candidate	Credit: 1-3	GPA: Tier III
Grade Level: 11-12	Trimesters: 2-6	

In this studio course, students will develop technical ability in a wide variety of media, culminating in a portfolio of artworks to present to the International Baccalaureate for review. In addition, the IB Art assessment includes written comparative studies and exhibitions.

Students enrolled in this course are required to take the appropriate IB examination.

AP ART HISTORY (APHISART A3500100)

Prerequisite:	None	Credit:	1	GPA: Tier III
Grade Level:	10-12	Trimesters:	2	

AP Art History - This course is designed to be an advanced level art course in a non-studio setting. A traditional skill set of artistic creativity is not required to take this class. Participants in this course will explore visual and contextual analysis and critical thinking concerning major forms of artistic expression. Students will analyze art within its historical and cultural contexts. Successful completion of this advanced academics course will gain the student one fine arts credit with weighted GPA. *Students are expected to take the AP exam.*

AP 3D STUDIO ART (AP3DDP A3500500)

Prerequisite:	Art I and Portfolio submitted for teacher approval. If portfolio is strong enough, a waiver for Art I would be considered.	Credit	½-1	GPA: Tier III
Grade Level:	10-12	Trimesters:	1-2	

The AP Art and Design course framework presents an inquiry-based approach to learning about and making art and design. Students are expected to conduct an in-depth, sustained investigation of materials, processes, and ideas. The framework focuses on concepts and skills emphasized within college art and design foundations courses with the same intent: to help students become inquisitive, thoughtful artists and designers able to articulate information about their work. AP 3D Art and Design students develop and apply skills of inquiry and investigation, practice, experimentation, revision, communication, and reflection. *Students are expected to take the AP exam.*

DANCE**COLORGUARD I-III (SUBMB PES00012, DANCE I-III 03830100-03830200-03830300)**

Prerequisite:	Audition required	Credit:	½ -1	GPA: Tier I
Grade Level:	10-12	Semesters/Trimesters:	1-2	

Color guards can be found in most American colleges, universities, high schools, middle schools, and independent Drum Corps. They use various equipment, including flags, rifles, and sabres, along with dance to enhance the music of the marching band show. Usually, marching bands and color guards perform during footballs games at halftime. During marching band competitions, the guard adds to the overall score of the band.

DANCE I (DANCE 1 03830100)

Prerequisite:	None	Credit:	½ -1	GPA: Tier I
Grade Level:	10-12	Semesters/Trimesters:	1-2	

Dance I students will explore the styles of ballet, modern, jazz, folk/social dance, and basic choreography skills.

DANCE II-IV (DANCE 2-4 03830200-400)

Prerequisite:	Dance I or previous level course with teacher approval	Credit	½ -3	GPA: Tier I
Grade Level:	11-12	Trimesters:	1-6	

Dance II, III, and IV students will further develop the skills, knowledge, and concepts introduced in Dance I.

IB DANCE STANDARD AND HIGHER LEVEL (IBDNCSL I3830100) (IBDNCHL I3830200)

Prerequisite:	IB diploma candidate	Credit:	1 -2	GPA: Tier III
Grade Level:	11-12	Trimesters:	2-4	

IB Dance is a college-level studio course, in which students will produce a video portfolio of various performances, both individual and ensemble, to be presented as evidence of a high level of technique and skill. Students will also complete a dance investigation as well as composition and analysis. *Students enrolled in this course are required to take the appropriate IB examination.*

MUSIC

BAND I-IV (MUS1-4BAND 03150100-400)

Prerequisite:	Previous Band training	Credit:	½ -4	GPA: Tier I
Grade Level:	9-12	Semesters/Trimesters:	1-8	

Bands may be divided into two or more groups, depending on enrollment. Members audition and are assigned based on audition scores. **Students must enroll in band for the full year and are required to participate in activities outside the school day.** A maintenance fee is charged for those using school instruments. Students may have to provide some performance attire. *In grades 10-11, PE credit is given in the Fall trimester only.*

JAZZ BAND (MUS1-4JZBN 03151300-600)

Prerequisite:	Concurrent enrollment in Band and Band Director's approval	Credit:	½ -1 ½	GPA: Tier I
Grade Level:	10-12	Trimesters:	1-3	

Jazz Band will be offered as a supplemental part of the band program. Students must have concurrent membership in the band program and/or director approval before being accepted into the class. This ensemble will explore the various styles of the jazz idiom along with the history and development of Jazz. Students will learn jazz scales, chord progressions, improvisation and performing appropriately within the various small ensembles and styles prescribed by the director. Members of this ensemble will be expected to attend practices and performances outside of the regular school day.

INSTRUMENTAL ENSEMBLE (MUS1-4INEN 03151700-2000)

Prerequisite:	Concurrent enrollment in Band or Orchestra	Credit:	½ -1 ½	GPA: Tier I
Grade Level:	10-12	Trimesters:	1-3	

Lab classes are divided into woodwind and brass groups. Playing and listening to literature appropriate to that instrumentation, as opposed to full band, is the emphasis of this course. Students develop skills in ear training, sight-reading, transposition, and doubling.

APPLIED MUSIC I (MUS1APL 03152500)

Prerequisite:	Concurrent enrollment in Band, Choir or teacher approval	Credit:	½ -1	GPA: Tier I
Grade Level:	10-12	Trimesters:	1-2	

Applied Music I will provide opportunities to study a chosen or second instrument, study solo literature, and technical literature. The course will include a performance examination (memorized solo selections and prepared technical literature and scales).

APPLIED MUSIC II (MUS2APL 03152600)

Prerequisite:	Applied Music I	Credit:	½ -1	GPA: Tier I
Grade Level:	11-12	Trimesters:	1-2	

Applied Music II will further develop the skills, knowledge and concepts introduced in Applied Music I. This course will include a performance examination (memorized solo selections and prepared technical literature and scales).

MUSIC THEORY I (MUS1THY 03152700)

Prerequisite:	Concurrent Band or Choir enrollment or teacher approval	Credit:	½ -1	GPA: Tier I
Grade Level:	10-12	Trimesters:	1-2	

This course deals with music fundamentals such as scale structure, chord structure and progressions, key and meter signatures, rhythmic and melodic notation, and computer enhanced notation and sequencing.

IB MUSIC STANDARD AND HIGHER LEVEL (BMUSSL I3250200) (IBMUSHL I3250300)

Prerequisite:	One credit of any high school Music course/Director approval of equivalent experience. IB diploma candidate	Credit:	1-2	GPA: Tier III
Grade Level:	11-12	Trimesters:	2-4	

This course introduces musical genres through the historical study of composers and analysis of various musical forms and styles. Students will investigate musicianship, theory, musical materials and procedures. The student's ability to read and write musical notation is fundamental and the student should also have acquired at least basic performance skills in voice or on an instrument. Concepts will be integrated into an individualized research project. *Students enrolled in this course are required to take the appropriate IB examination.*

CHORAL MUSIC I-IV (MUS1-4CHOR 03150900-1200)

Prerequisite:	None	Credit:	½ -	GPA: Tier I
Grade Level:	9-12	Semesters/Trimesters:	1-8	

Choir is divided into various groups depending on enrollment, with students assigned by the choir director on the basis of voice type, grade level, audition scores, and other considerations. Singing skills and music fundamentals are taught. Performance attire may be required. **Students must enroll in Choral Music I-IV for the full year and are required to participate in activities outside the school day.**

VOCAL ENSEMBLE I-IV (MUS1-4VOEN 03152100-400)

Prerequisite:	Concurrent enrollment in Choir and Choir Director's approval	Credit:	½ -4	GPA: Tier I
Grade Level:	10-12	Trimesters:	1-8	

This course presents a wide variety of musical literature not performed in larger choral ensembles. Students are required to participate in out-of-school-hours activities and may have to provide performance attire.

STRING ORCHESTRA I-IV (MUS1-4ORCH 03150500-800)

Prerequisite:	HEB ISD Orchestra program or previous string instrument study and Director's approval	Credit:	1-4	GPA: Tier I
Grade Level:	9-12 (<i>Central JH and L.D. Bell HS only</i>)	Semesters/Trimesters:	2-8	

Enrollment in the String Orchestra program is open to students playing violin, viola, cello, and string bass only. No wind or percussion players will be assigned to String Orchestra. The String Orchestra may be divided into two or more ensembles, depending on enrollment. Members will audition and are assigned to an ensemble based on the audition results. **Students must enroll in String Orchestra for the full year and are required to participate in activities outside of the school day.** A maintenance fee may be charged for using school instruments. Students may have to provide some performance attire.

DUAL CREDIT MUSIC STUDIES I (MUSSMA1 03155600)

Prerequisite:	None	Credit:	1	GPA: Tier II
Grade Level:	11-12	Trimesters:	1-2	

MUET 3030 - Music Cultures of the World – University of North Texas

Survey of music cultures of Africa, the Americas, Asia and Oceania. Music traditions are studied from a perspective that emphasizes music as an integral part of society and culture.

MUMH 1610 - Music as Communication/Music In Human Imagination – University of North Texas

Introduction to issues of music seen as a form of human communication with emphasis on developing listening skills and critical thinking. Includes discussion of Western and non-Western music based on case studies.

Open to majors in other fields. Must be taken prior to **MUMH 3500 and MUMH 3510.**

Interested students must submit an application to the University of North Texas and pay the application fee of \$76.00

Tuition for this course is expected to be \$50.00 per semester hour. A total of \$150.00 for this 3-hour class.

Prerequisite(s): None.

Open to students in any major.

THEATRE ARTS

ACTING STYLES – IMPROVISATION LEVEL II-III AND IV (ACTMET4 N1171226)

Prerequisite:	Theatre I or Accelerated Theatre I and Teacher Approval	Credit:	½-1
Grade Level:	10-12	Trimesters:	1-3

Students will study the basic elements of improvisational acting and theatre. Improvisational skills lead to personal/performer attributes such as Leadership; Agility; Collaboration; Listening & Speaking and Creative Discovery. Students will study classical and modern styles to expand their creative processes.

MUSICAL THEATRE I-III (MUSTH1 – 03251900; MUSTH2 – 03252000; MUSTH3 – 03252100)

Prerequisite: Theatre I and Teacher Approval by Audition	Credit: ½-2
Grade Level: 10-12	Trimesters: 1-3

Students will gain exposure to a wide range of disciplines including acting, vocal and dance performance. Students will study a wide variety of styles of musical theatre and incorporate principles and practices of stage movement, vocal performance techniques, choreography and characterization. Musical Theatre can provide students with knowledge and skills of music literacy, dance and vocal music performance outside the choral setting. Students will gain insight into performing arts professions.

PHYSICAL THEATRE I-II (PHYTHE1 – N1170180; PHYTHE2 – N1170181)

Prerequisite: Theatre II and Teacher Approval by Audition	Credit: ½-2
Grade Level: 11-12	Trimesters: 1-3

Students will acquire knowledge and skills for movement through theatrical physical activity including dance, body conditioning and theatrical movement. Students will gain essential knowledge and skills to maintain a healthy body, voice and mind in a physically active theatrical performance environment. Students will study body alignment, abstract movement, corporeal mime and physicalization of specific characteristics and communicate this to an audience by performance.

THEATRE I (TH1 03250100)

Prerequisite: None	Credit: ½-1	GPA: Tier I
Grade Level: 9-12	Semesters or Trimesters	1-2

Theatre I is a basic introductory course. It incorporates basic acting techniques, the role of the actor in interpreting dramatic literature, and the historical evolution of performance styles. This is a performance-based class. Some out of school hours, rehearsals, and performances may be required.

THEATRE II-IV (TH2-4 03250200-400)

Prerequisite: Theatre I	Credit: ½-3	GPA: Tier I
Grade Level: 10-12	Trimesters:	1-6

Theatre II, III and IV continue the study of theatre cultural contributions, plays, performance and production styles, and techniques. Attendance of plays outside the school day may be required. Basic principles of production are studied and applied through performances in various modes. This is a performance-based class. Some out of school hours, rehearsals, and performances may be required.

THEATRE PRODUCTION I-IV (TH1-4PROD 03250700-1000)

Prerequisite: Theatre I and/or Director Approval	Credit: ½-4	GPA: Tier I
Grade Level: 9-12	Semesters or Trimesters:	2/1-8

Theatre Production I-IV is a laboratory for the exploration, development, and syntheses of all elements of theatre. This course supplements the theatre arts and technical theatre courses that concentrate on theories, information, and techniques, by providing for the integration and implementation of those ideas and skills. Practical experiences in acting and stagecraft are provided through the preparation and public performances of one or more plays. The course may meet during a scheduled class period, but additional time will be required. An alternate plan is to schedule the course for outside school hours. The choice of plans to be offered may vary from school to school and trimester to trimester.

TECHNICAL THEATRE I-IV (TH1-2TECH 03250500-600 AND TH3-4 03251100-200)

Prerequisite: Theatre I and/or Director Approval	Credit: ½-4	GPA: Tier I
Grade Level: 9-12	Trimesters:	1-8

Technical Theatre I, II, III and IV provides an option for technically oriented students. Theories of design and stagecraft techniques are combined with the construction and operation of the various elements of technical theatre: scenery, lighting, costume, and sound. This course will require additional time outside the regularly scheduled class.

IB THEATRE STANDARD AND HIGHER LEVEL (IBTHSL I3750200) (IBTHHL I3750300)

Prerequisite: Theatre I & II and teacher approval; IB diploma candidate	Credit: 1-3	GPA: Tier III
Grade Level: 11-12	Trimesters:	2-6

Students will be expected to demonstrate; knowledge of major developments and techniques in theatre in more than one culture; an ability to interpret play scripts and theatrical texts, analytically and imaginatively; the ability to perform before an audience and to demonstrate an understanding of acting techniques; an understanding of the process of theatrical production; and the ability to research and write about different aspects of the theatrical process. *Students enrolled in this course are required to take the appropriate IB examination.*

WORLD LANGUAGES

Communication is at the heart of all human relationships. Given the interdependence of today's global community, it is imperative that the students of HEBISD be equipped both linguistically and culturally to communicate successfully. It is vital that all students become proficient in at least one language other than English. Children who come from non-English-speaking backgrounds should also have every opportunity to develop further in their native language. Placement exams for native speakers may be scheduled through the foreign language lead teacher or counselor. If a student is placed into Level 2 or Level 3 language, he/she will have to successfully complete the entire Level 2 or Level 3 course in order to receive the state-mandated credit for two consecutive years of language study.

AMERICAN SIGN LANGUAGE I (ASL 1 03980100)

Prerequisite:	None	Credit:	1	GPA: Tier I
Grade Level:	10-12	Trimesters:	2	

This course introduces students to communication skills in American Sign Language. Both receptive and expressive signing will be introduced with interactive communication. History of the language and the culture of hearing impaired people will also be explored. This course will be taught *primarily* in American Sign Language. *Many colleges may not accept ASL as a foreign language. Please verify with the college of your choice(s) before enrolling in this course.*

AMERICAN SIGN LANGUAGE II (ASL 2 03980200)

Prerequisite:	American Sign Language I	Credit:	1	GPA: Tier I
Grade Level:	10-12	Trimesters:	2	

Level II includes distinguishing between various variations in signs and non-manual communications. This is a study of the culture of hearing impaired people. Students will be provided opportunities to express and receive signed information in a variety of situations. This course will be taught *primarily* in American Sign Language. *(Many colleges may require a 3rd credit of World Languages for admission.) Many colleges may not accept ASL as a foreign language. Please verify with the college of your choice(s) before enrolling in this course.*

AMERICAN SIGN LANGUAGE III (ASL 3 03980300)

Prerequisite:	American Sign Language II	Credit:	1	GPA: Tier I
Grade Level:	11-12	Trimesters:	2	

The communication skills acquired in Level II are extended to include interrelationship of languages and other sign systems, recognizing dialectal, regional, and other variations of what was previously learned. This course will be taught in American Sign Language. *Many colleges may not accept ASL as a foreign language. Please verify with the college of your choice(s) before enrolling in this course.*

IB AB INITIO LANGUAGES II, III, IV (SPAN 03440200, 03440300, I3440400)

(FREN 03410200, 03410300, I3410400) (GERMAN 03420200, 03420300; I3420400)

Prerequisite:	IB Diploma Candidate	Credit:	1-3	GPA: Tier III
Grade Level:	11-12	Trimesters:	2-6	

Ab initio language is a course of study based around three broad intercultural themes. Through the development of oral, presentational, and written skills, ab initio language encompasses the ability to respond and interact appropriately in a defined range of everyday language skills. *Students enrolled in this course are required to take the appropriate IB examination.*

AdvAc ARABIC II (ARABIC 2 03110200)

Prerequisite:	Arabic I	Credit:	1	GPA: Tier II
Grade Level:	9-10	Semesters/Trimesters:	2	

Arabic II is an in-depth study of the concepts introduced in Arabic I. Oral proficiency will be emphasized while students increase their reading and writing competencies. Culturally related activities will be explored. Students should attain a novice-mid to novice-high proficiency level. This course will be taught primarily in Arabic.

AdvAc ARABIC III (ARABIC 3 03110300)

Prerequisite:	Arabic II	Credit:	1	GPA: Tier II
Grade Level:	10-12	Trimesters:	2	

Students will increase their reading and writing competencies as they study Arabic literature, history and culture. Students will attain a novice-high to intermediate-low proficiency level with an emphasis on oral proficiency. This course will be taught in Arabic. This course prepares students to take the AP and/or IB exam.

IB ARABIC IV STANDARD LEVEL (IBARABIC 4 I3110400)

Prerequisite:	Arabic III; IB diploma candidate	Credit:	1	GPA: Tier III
Grade Level:	11-12	Trimesters:	2	

This course stresses the continued development of oral proficiency skills, the understanding of Arabic literature and Arabic history and culture. Students should attain an intermediate-low to intermediate-mid proficiency level in Arabic IV. This course will be taught in Arabic. *Students enrolled in this course are required to take the appropriate IB examination.*

FRENCH I (FREN 1 03410100) (not offered at all campuses)

Prerequisite:	None	Credit:	1	GPA: Tier I
Grade Level:	9-12	Semesters/Trimesters:	2	

French I is an introduction to the French world, its language and its people. The course emphasizes oral proficiency while developing reading, writing, and listening skills. The French culture will also be explored. Students will attain a novice proficiency level. This course will be taught *primarily* in French.

FRENCH II (FREN 2 03410200)

Prerequisite:	French I; HEB Placement Process	Credit:	1	GPA: Tier I
Grade Level:	9-12	Semesters/Trimesters:	2	

This course continues developing the skills and concepts introduced in French I. Oral proficiency will be emphasized while students increase their reading and writing competencies. Culturally related activities will be explored. Students will attain a mid to high novice proficiency level. This course will be taught *primarily* in French. *An AdvAc class with Tier II GPA may be available for students who meet the district requirements for entrance into advanced academic courses. (Many colleges may require a 3rd credit of World Languages for admission.)*

AdvAc FRENCH III (FREN 3 03410300)

Prerequisite:	French III; HEB Placement Process	Credit:	1	GPA: Tier II
Grade Level:	9-12	Semesters/Trimesters:	2	

French III is designed to provide talented language students opportunities beyond those offered in Levels I and II. Oral proficiency will be emphasized. Students will increase their reading and writing competencies as they explore French literature, history, and culture. Students will attain a mid-intermediate proficiency level. This course will be taught in French. *Students are expected to take the AP exam and/or appropriate IB assessment.*

AP FRENCH IV-V (AP FRLAN A3410100)

Prerequisite:	French III or IV, HEB Placement Process	Credit:	1-2	GPA: Tier III
Grade Level:	11-12	Trimesters:	2-4	

This course stresses the continued development of oral proficiency skills and the understanding of French literature, history, and culture. Students will attain a high-intermediate, advanced proficiency level. This course will be taught in French. *Qualified students will be required to take the AP exam.*

IB FRENCH IV-V STANDARD AND HIGHER LEVEL (IBFREN 4 I3410400) (IBFREN 5 I3410500)

Prerequisite:	French III or IV, IB diploma candidate	Credit:	1-2	GPA: Tier III
Grade Level:	11-12	Trimesters:	2-4	

This course stresses the continued development of oral proficiency skills and the understanding of French literature, history, and culture. Students will attain a high-intermediate, advanced proficiency level. This course will be taught in French. *Students enrolled in this course are required to take the appropriate IB examination.*

IB FRENCH VI-VII (FREN 6-7 03410600-700)

Prerequisite:	French V, IB diploma candidate	Credit:	1	GPA: Tier III
Grade Level:	11-12	Trimesters:	2	

Using age-appropriate activities, student master novice tasks, expand their ability to perform intermediate tasks, and develop their ability to perform the tasks of the advanced language learner. The advanced language learner reads and comprehends authentic texts of prose and poetry of selected authors. The skills of listening, speaking, and writing are used to reinforce the skill of reading. This course will be taught in French. *Students enrolled in this course are required to take the appropriate IB examination.*

GERMAN I (GERMAN 1 03420100)

Prerequisite:	None	Credit:	1	GPA: Tier I
Grade Level:	10-12	Trimesters:	2	

German I is an introduction to the German world, its language and its people. The course emphasizes oral proficiency while developing reading, writing and listening skills. The German culture will also be explored. Students will attain a novice proficiency level. This course will be taught *primarily* in German.

GERMAN II (GERMAN 2 03420200)

Prerequisite:	German I	Credit:	1	GPA: Tier I
Grade Level:	10-12	Trimesters:	2	

This course continues developing the skills and concepts introduced in German I. Oral proficiency will be emphasized while students increase their reading and writing competencies. Culturally related activities will be explored. Students will attain a mid to high novice proficiency level. This course will be taught *primarily* in German. **An AdvAc class with Tier II GPA may be available for qualified students. (Many colleges may require a 3rd credit of World Languages for admission.)**

AdvAc GERMAN III (GERMAN 3 03420300)

Prerequisite:	German II	Credit:	1	GPA: Tier II
Grade Level:	11-12	Trimesters:	2	

Students will increase their reading and writing competencies as they explore German literature, history, and culture. Students will attain a mid-intermediate proficiency level with an emphasis on oral proficiency. This course will be taught in German. This course prepares students to take the AP and/or IB exam.

AP GERMAN IV-V A-B (APGERLAN A3420100) (APGERLIT 03420500)

Prerequisite:	German III or IV; HEB Placement Process	Credit:	1 -2	GPA: Tier III
Grade Level:	11-12	Trimesters:	2-4	

This course stresses the continued development of oral proficiency skills, the understanding of German literature, history, and culture. Students will attain a high-intermediate to advanced proficiency level. This course will be taught in German. *Students are expected to take the AP exam and/or appropriate IB assessment.*

IB GERMAN IV-V STANDARD AND HIGHER LEVEL (IBGER 4 I3420400) (IBGER 5 I3420500)

Prerequisite:	German III or IV; IB Diploma Candidate	Credit:	1 -2	GPA: Tier III
Grade Level:	11-12	Trimesters:	2-4	

This course stresses the continued development of oral proficiency skills, the understanding of German literature, history, and culture. Students will attain a high-intermediate to advanced proficiency level. This course will be taught in German. *Students enrolled in this course are required to take the appropriate IB examination.*

IB GERMAN VI-VII (GERMAN 6-7 03420600-700)

Prerequisite:	German V; IB Diploma Candidate	Credit:	1	GPA: Tier III
Grade Level:	11-12	Trimesters:	2	

Using age-appropriate activities, student master novice tasks, expand their ability to perform intermediate tasks, and develop their ability to perform the tasks of the advanced language learner. The advanced language learner reads and comprehends authentic texts of prose and poetry of selected authors. The skills of listening, speaking, and writing are used to reinforce the skill of reading. This course will be taught in German. *Students enrolled in this course are required to take the appropriate IB examination.*

AdvAc HINDI II (HINDI II 03520200)

Prerequisite:	Hindi I	Credit:	1	GPA: Tier II
Grade Level:	9-10	Trimesters:	2	

Hindi II is an in-depth study of the concepts introduced in Hindi I. Oral proficiency will be emphasized while students increase their reading and writing competencies. Culturally related activities will be explored. Students should attain a novice-mid to novice-high proficiency level. This course will be taught *primarily* in Hindi.

AdvAc HINDI III (HINDI III 03520300)

Prerequisite:	Hindi II	Credit:	1	GPA: Tier II
Grade Level:	10-12	Trimesters:	2	

Hindi III is designed to provide talented language students with opportunities beyond those offered in Levels I and II. Oral proficiency will be emphasized. Students will increase their reading and writing competencies as they study Hindi literature, and Indian history and culture. Students should attain a novice high to intermediate-low proficiency level. This course prepares students to take the IB exam.

IB HINDI IV-V STANDARD LEVEL (IB HIND IV-V I3520400-500)

Prerequisite:	Hindi III; IB diploma candidate	Credit:	1	GPA: Tier III
Grade Level:	11-12	Trimesters:	2	

This course stresses the continued development of oral proficiency skills, the understanding of Hindi literature and Indian history and culture. Students should attain an intermediate-low to intermediate-mid proficiency level in Hindi IV and an intermediate-mid to intermediate-high proficiency level in Hindi V. This course will be taught in Hindi. *Students enrolled in this course are required to take the appropriate IB examination.*

AdvAc MANDARIN CHINESE II (CHIN II 03490200)

Prerequisite:	Mandarin Chinese I	Credit:	1	GPA: Tier II
Grade Level:	9	Trimesters:	2	

Mandarin Chinese II is an in-depth study of the concepts introduced in Mandarin Chinese I. Oral proficiency will be emphasized while students increase their reading and writing competencies. Culturally related activities will be explored. Students should attain a novice-mid to novice-high proficiency level. This course will be taught primarily in Chinese.

AdvAc MANDARIN CHINESE III (CHIN III 03490300)

Prerequisite:	Mandarin Chinese II	Credit:	1	GPA: Tier II
Grade Level:	10-12	Trimesters:	2	

Mandarin Chinese III is designed to provide talented language students with opportunities beyond those offered in Levels I and II. Oral proficiency will be emphasized. Students will increase their reading and writing competencies as they study Chinese literature, history and culture. Students should attain a novice high to intermediate-low proficiency level. This course will be taught in Chinese. This course prepares students to take the IB exam.

IB MANDARIN CHINESE IV-V (IBCHIN IV I3490400) (IBCHIN V I3490500)

Prerequisite:	Mandarin Chinese III	Credit:	1	GPA: Tier III
Grade Level:	11-12	Trimesters:	2	

This course stresses the continued development of oral proficiency skills and the understanding of Chinese literature, history, and culture. Students should attain an intermediate-low to intermediate-mid proficiency level IV and an intermediate-mid to intermediate-high proficiency level in V. This course will be taught in Chinese. *Qualified students will be required to take the IB exam.*

SPANISH I SPAN 1 03440100)

Prerequisite:	None	Credit:	1	GPA: Tier I
Grade Level:	9-12	Semesters or Trimesters:	2	

Spanish I is an introduction to the Spanish world, its language and its people. The course emphasizes oral proficiency while developing reading, writing, and listening skills. The Spanish culture will also be explored. Students will attain a novice proficiency level. This course will be taught *primarily* in Spanish.

SPANISH II (SPAN 2 03440200)

Prerequisite:	Spanish I; HEB Placement Process	Credit:	1	GPA: Tier I
Grade Level:	9-12	Semesters or Trimesters:	2	

This course continues developing the skills and competencies introduced in Spanish I. Oral proficiency will be emphasized while students increase their reading and writing competencies. Culturally related activities will be explored. Students will attain a mid to high novice proficiency level. This course will be taught *primarily* in Spanish. *An AdvAc class with Tier II GPA may be available for qualified students. (Many colleges may require a 3rd credit of World Languages for admission.)*

SPANISH III (SPAN 3 03440300)

Prerequisite:	Spanish II; HEB Placement Process	Credit:	1	GPA: Tier I
Grade Level:	10-12	Trimesters:	2	

Spanish III is designed to provide talented language students opportunities beyond those offered in Levels I and II. Oral proficiency will be emphasized. Students will increase their reading and writing competencies as they explore literature, history, and culture. Students will attain a mid-intermediate proficiency level. This course will be taught in Spanish. ***An AdvAc class with Tier II GPA may be available for qualified students.***

AP SPANISH IV-V (APSPALAN A3440100, APSPALIT A3440200)

Prerequisite:	Spanish III or IV; HEB Placement Process	Credit:	1-2	GPA: Tier III
Grade Level:	9-12 (9 th -Hurst Junior High only)	Semesters/Trimesters:	2-4	

This course stresses the continued development of oral proficiency skills, the understanding of Spanish literature, history, and culture. ***Students are expected to take the AP exam and/or appropriate IB assessment.***

IB SPANISH IV-V A-B STANDARD AND HIGHER LEVEL (IBSPAN 4 I3440400) (IBSPAN 5 I3440500)

Prerequisite:	Spanish III or IV; IB Diploma Candidate	Credit:	1-2	GPA: Tier III
Grade Level:	10-12	Trimesters:	2-4	

This course stresses the continued development of oral proficiency skills, the understanding of Spanish literature, history, and culture. Students will attain a high intermediate to advanced proficiency level. This course will be taught in Spanish. ***Students enrolled in this course are required to take the appropriate AP/IB examination.***

IB SPANISH VI-VII (IBSPAN6-7 I3440600-700)

Prerequisite:	Spanish V; IB Diploma Candidate	Credit:	1	GPA: Tier III
Grade Level:	11-12	Trimesters:	2	

Using age-appropriate activities, student master novice tasks, expand their ability to perform intermediate tasks, and develop their ability to perform the tasks of the advanced language learner. The advanced language learner reads and comprehends authentic texts of prose and poetry of selected authors. The skills of listening, speaking, and writing are used to reinforce the skill of reading. This course will be taught in Spanish. ***Students enrolled in this course are required to take the appropriate IB examination.***

SPECIAL EDUCATION COURSE OFFERINGS

SPECIAL NOTE: Special Education placement and individual course selections are determined by an Admission, Review and Dismissal/Individual Education Plan Committee (ARD/IEP). Placement and course selections are reviewed on an annual basis.

ENGLISH LANGUAGE ARTS

APPLIED ENGLISH I-IV (ENG 1-03220100; ENG II-03220200; ENG III-03220300; ENG IV-03220400)

BASIC ENGLISH I-IV (ENG 1-03220100; ENG II-03220200; ENG III-03220300; ENG IV-03220400)

BLENDED ENGLISH I-IV (ENG 1-03220100; ENG II-03220200; ENG III-03220300; ENG IV-03220400)

Prerequisite:	Diagnostic Evaluation & ARD Committee Placement	Credit:	1 – 4	GPA: Tier I
Grade Level:	9-12	Semesters or Trimesters:	2-8	

These English courses offer a modified, general education curriculum that reflects the general education English course based on individual student needs. The focus is on integrated language arts study in language/writing, literature/reading, and speaking/listening. Students will practice oral and written uses of language as well as discuss and respond to relevant literature. The course includes the development of study skills and strategies.

APPLIED READING I (READ1 03270700)

BASIC READING I-III (READ1 -03270700; READ2- 03270800; READ3 -03270900)

Prerequisite:	Diagnostic Evaluation & ARD Committee Placement	Credit:	1 - 3	GPA: Tier I
Grade Level:	9-12	Semesters or Trimesters	2-6	

These reading courses offer a modified, general education curriculum that reflects the general education reading course based on needs of the individual student. The courses focus on the continued reinforcement of fundamental reading skills. (Not offered at Bell High School)

MATHEMATICS

BASIC ALGEBRA I (ALG I 03100500)

BLENDED ALGEBRA I (ALG 1 03100500)

Prerequisite:	Diagnostic Evaluation & ARD Committee Placement	Credit:	1	GPA: Tier I
Grade Level:	9-10	Semesters or Trimesters	2	

This course is the foundation for high school mathematics. The power of Algebra lies in its use of symbols to represent numbers. Students learn to use these symbols when working with the concepts of number systems, variables, functions, graphing, inequalities and polynomial equations. The general education curriculum is modified to meet individual student needs.

APPLIED ALGEBRA I (ALG I 03100500)

Prerequisite:	Diagnostic Evaluation & ARD Committee Placement	Credit:	1	GPA: Tier I
Grade Level:	9-12	Semesters or Trimesters:	2	

Applied Algebra I is a modified, general education curriculum that reflects the general education Algebra course based on individual student needs. The course focuses on functional relationships and problem solving in real situations.

BASIC MATHEMATICAL MODELS WITH APPLICATIONS (MTHMOD 03102400)

BLENDED MATH MODELS WITH APPLICATIONS (MTHMOD 03102400)

Prerequisite:	Diagnostic Evaluation & ARD Committee Placement	Credit:	1	GPA: Tier I
Grade Level:	11-12	Trimesters:	2	

Basic Mathematical Models with Applications is a modified, general education curriculum that reflects the general education course based on individual student's needs. The focus is on mathematical methods to model and solve real life problems.

APPLIED MATHEMATICAL MODELS WITH APPLICATIONS (MTHMOD 03102400)

Prerequisite:	Diagnostic Evaluation & ARD Committee Placement	Credit:	1	GPA: Tier I
Grade Level:	11-12	Trimesters:	2	

Applied Mathematical Models with Applications is a modified, general education curriculum that reflects the general education course based on individual student's needs. The focus is on mathematical methods to model and solve real life problems.

BASIC GEOMETRY (GEOM 03100700)**BLENDED GEOMETRY (GEOM 03100700)**

Prerequisite:	Diagnostic Evaluation & ARD Committee Placement	Credit:	1	GPA: Tier I
Grade Level:	10-11	Semesters or Trimesters	2	

Basic Geometry is a modified individualized general education curriculum that requires students to relate concepts from Algebra to making conjectures about geometric relationships. Topics include an analysis of plane, solid and coordinate geometry, as well as parallel lines, polygons, perimeter and area, similarity and congruence. This course provides some of the mathematical tools necessary for problem solving and reasoning that will transfer into many skilled trades and professions.

APPLIED GEOMETRY (GEOM 03100700)

Prerequisite:	Diagnostic Evaluation & ARD Committee Placement	Credit:	1	GPA: Tier I
Grade Level:	11-12	Trimesters:	2	

Applied Geometry is a modified, general education curriculum that reflects the general education geometry course based on individual student's needs. The focus is on mathematical methods to model and solve real life problems.

SCIENCE**APPLIED INTEGRATED PHYSICS AND CHEMISTRY (IPC 03060200)****BLENDED INTEGRATED PHYSICS AND CHEMISTRY (IPC 03060200)**

Prerequisite:	Diagnostic Evaluation & ARD Committee Meeting	Credit:	1	GPA: Tier I
Grade Level:	9-10	Semesters or Trimesters:	2	

The Applied and Basic Integrated Physics and Chemistry courses offer a modified, general education curriculum that reflects the general education course based on individual student needs. The course integrates physics and chemistry in such topics as: motion, energy, and properties of matter.

APPLIED BIOLOGY (BIO 03010200)**BLENDED BIOLOGY (BIO 03010200)**

Prerequisite:	Diagnostic Evaluation & ARD Committee Meeting	Credit:	1	GPA: Tier I
Grade Level:	10-12	Trimesters:	2	

These biology courses offer a modified, general education curriculum that reflects the general education course based on individual student needs. Emphasis is on the understanding of biology as seen in current science events and real world application.

APPLIED CHEMISTRY (CHEM 03040000)**BLENDED CHEMISTRY (CHEM 03040000)**

Prerequisite:	Diagnostic Evaluation & ARD Committee Placement/Algebra I	Credit:	1	GPA: Tier I
Grade Level:	10-12	Trimesters:	2	

Applied Chemistry is a modified, general education curriculum that reflects the general education course based on individual student needs. The focus is on using scientific methods and making informed decisions using critical thinking and scientific problem solving.

APPLIED ANATOMY AND PHYSIOLOGY AND HUMAN SYSTEMS (ANATPHYS 13020600)

Prerequisite:	Diagnostic Evaluation & ARD Committee Meeting	Credit:	1	GPA: Tier I
Grade Level:	10-12	Trimesters:	2	

Applied Anatomy and Physiology is a modified, general education curriculum that reflects the general education course based on individual student needs. The course emphasizes the relationship between anatomical structures and physiology of the human body.

APPLIED ENVIRONMENTAL SYSTEMS (ENVIRSYS 03020000)

Prerequisite:	Diagnostic Evaluation & ARD Committee Meeting	Credit:	1	GPA: Tier I
Grade Level:	10-12	Trimesters:	2	

This course is a modified, general education curriculum reflecting the general education course based on individual student needs. Topics studied include habitats, ecosystems and interrelationships among resources and an environmental system.

SOCIAL STUDIES

APPLIED WORLD GEOGRAPHY STUDIES (WGEO 03320100)

BLENDED WORLD GEOGRAPHY STUDIES (WGEO 03320100)

Prerequisite: Meeting	Diagnostic Evaluation & ARD Committee	Credit:	1	GPA: Tier I
Grade Level:	9-11	Semesters or Trimesters:	2	

These world geography courses offer a modified, general education curriculum that reflects the general education course based on the needs of the individual student. The course provides a survey of geography and development of our world's areas. Current world events and the geographical basis for these events are explored.

APPLIED WORLD HISTORY STUDIES (WHIST 03340400)

BLENDED WORLD HISTORY STUDIES (WHIST 03340400)

Prerequisite:	Diagnostic Evaluation & ARD Committee Placement	Credit:	1	GPA: Tier I
Grade Level:	10-11	Trimesters:	2	

These world history courses offer a modified, general education curriculum that reflects the general education course based on the needs of the individual student. The course provides a survey of the history and development of our world's areas and cultures. Current world events and the historical basis for these events are explored.

APPLIED UNITED STATES HISTORY (USHIST 03340100)

BLENDED UNITED STATES HISTORY (USHIST 03340100)

Prerequisite: Placement	Diagnostic Evaluation & ARD Committee	Credit:	1	GPA: Tier I
Grade Level:	11	Trimesters:	2	

These United States history courses offer a modified, general education curriculum that reflects the general education course based on the needs of the individual student. The course emphasizes the social, cultural, economic and political developments of the United States of America from 1870 to the present time. Current events and the historical basis for these events are explored.

APPLIED UNITED STATES GOVERNMENT (GOVT 03330100)

BLENDED UNITED STATES GOVERNMENT (GOVT 03330100)

Prerequisite: Placement	Diagnostic Evaluation & ARD Committee	Credit:	½	GPA: Tier I
Grade Level:	12	Trimesters:	1	

These United States Government courses offer a modified, general education curriculum that reflects the general education course based on the needs of the individual student. The course examines the structure and function of the political and governmental systems of the United States and the citizen's role and responsibilities.

APPLIED ECONOMICS (ECON 03310300)

BLENDED ECONOMICS (ECON 03310300)

Prerequisite: Placement	Diagnostic Evaluation & ARD Committee	Credit:	½	GPA: Tier I
Grade Level:	12	Trimesters:	1	

These economics courses offer a modified, general education curriculum that reflects the general education course based on the needs of the individual student. The course examines the structure and function of the United States economic free enterprise system as it relates to consumers, the monetary system, and consumer responsibilities.

PRACTICAL/PERSONAL ENGLISH LANGUAGE ARTS

PRACTICAL ENGLISH I-IV (ENG 1-4; 03220107; 03220207, 03220307, 03220400)

PERSONAL ENGLISH I-IV (ENG 1-4; 03220107; 03220207, 03220307, 03220400)

Prerequisite: Placement	Diagnostic Evaluation & ARD Committee	Credit:	1 - 4	GPA: Tier I
Grade Level:	9-12	Semesters or Trimesters:	2-8	

This English class offers a curriculum based on prerequisite skills to the general education English course based on individual needs. The focus is on the functional use of language, writing, reading, speaking, and listening. Students will practice oral and written uses of language as it applies to practical applications in the student's environment.

PRACTICAL READING I-III (READ1 -03270700; READ2- 03270800; READ3 -03270900)

PERSONAL READING I-III (READ1 -03270700; READ2- 03270800; READ3 -03270900)

Prerequisite: Placement	Diagnostic Evaluation & ARD Committee	Credit:	1 - 3	GPA: Tier I
Grade Level:	9-12	Semesters or Trimesters:	2-8	

This reading course offers a curriculum based on prerequisite skills to reading on grade level based on needs of the individual student. The course focuses on the continued reinforcement of fundamental reading skills and the function of reading in independent living, employability, and in the community.

PRACTICAL COMMUNICATION APPLICATIONS (COMMAPP 03241400)

PERSONAL COMMUNICATION APPLICATIONS (COMMAPP 03241400)

Prerequisite: Placement	Diagnostic Evaluation & ARD Committee	Credit:	½	GPA: Tier I
Grade Level:	9-12	Semesters or Trimesters:	1	

This modified course counts as a speech credit. The focus of this course is on using effective communication skills in both professional and social situations based on the individual student's communication needs. Students are offered the opportunities to improve their understanding of the communication process in interpersonal situations, group interactions, and in personal and professional presentations.

PRACTICAL ART (ART1 03500100)

PERSONAL ART (ART1 03500100)

Prerequisite: Placement	Diagnostic Evaluation & ARD Committee Placement	Credit:	1	GPA: Tier I
Grade Level:	9-12	Semesters or Trimesters:	2	

This modified course counts as a fine arts credit. The students will learn basic elements of art that will enhance their adult life. The students will experience a variety of forms of art as they learn to appreciate the fine arts in both the home and the community settings.

PRACTICAL HEALTH (HLTH ED 03810100)

PERSONAL HEALTH (HLTH ED 03810100)

Prerequisite: Placement	Diagnostic Evaluation & ARD Committee	Credit:	½	GPA: Tier I
Grade Level:	9-12	Semesters or Trimesters:	1 - 2	

The Practical Health course will relate individual health and hygiene practices to issues of wellness, disease prevention, interpersonal skill enhancement, and the obtainment and maintenance of employment. Students will examine the concepts of human growth and development, diet exercise, emergency and first aid as well as daily hygiene practices as each related to a healthy lifestyle. Students will define the possible consequences of failing to adhere to these health and hygiene practices.

PRACTICAL/PERSONAL MATHEMATICS

PRACTICAL ALGEBRA I (ALG1 03100507)

PERSONAL ALGEBRA I (ALG1 03100507)

Prerequisite: Placement	Diagnostic Evaluation & ARD Committee	Credit:	1	GPA: Tier I
Grade Level:	9-12	Semesters or Trimesters:	2	

This math course offers a curriculum based on prerequisite skills to the general education math course based on individual needs. The focus is on the functional use of mathematics and basic math operations as needed in real life situations.

PRACTICAL GEOMETRY (GEOM 03100707)**PERSONAL GEOMETRY (GEOM 03100707)**

Prerequisite: Placement	Diagnostic Evaluation & ARD Committee	Credit:	1	GPA: Tier I
Grade Level:	10-12	Trimesters:	2	

This math course offers a curriculum based on prerequisite skills to the general education geometry course based on individual needs. The focus is on the functional use of mathematics and basic math operations as needed in real life situations.

PRACTICAL MATH MODELS (MTHMOD 03102400)**PERSONAL MATH MODELS (MTHMOD 03102400)**

Prerequisite: Placement	Diagnostic Evaluation & ARD Committee	Credit:	1	GPA: Tier I
Grade Level:	9-12	Semesters or Trimesters:	2	

This math course offers a curriculum based on prerequisite skills to the general education math models course based on individual needs. The focus is on the functional use of mathematics and basic math operations as needed in real life situations.

PRACTICAL/PERSONAL HISTORY**PRACTICAL WORLD HISTORY (W HIST 03340407)****PERSONAL WORLD HISTORY (W HIST 03340407)**

Prerequisite: Placement	Diagnostic Evaluation & ARD Committee	Credit:	1	GPA: Tier I
Grade Level:	9-12	Semesters or Trimesters:	2	

This social studies course offers a curriculum based on prerequisite skills in the general education world history course and based on individual student needs. The focus is on understanding events in world history, the monetary system, and citizenship in the national community.

PRACTICAL WORLD GEOGRAPHY (W GEO 03320107)**PERSONAL WORLD GEOGRAPHY (W GEO 03320107)**

Prerequisite: ARD Committee Placement	Diagnostic Evaluation &	Credit:	1	GPA: Tier I
Grade Level:	9-12	Semesters or Trimesters:	2	

This social studies course offers a curriculum based on integrated prerequisite skills to the general education world geography course and basic map skills.

PRACTICAL UNITED STATES HISTORY (US HIST 03340107)**PERSONAL UNITED STATES HISTORY (US HIST 03340107)**

Prerequisite: Placement	Diagnostic Evaluation & ARD Committee	Credit:	1	GPA: Tier I
Grade Level:	9-12	Semesters or Trimesters:	2	

This social studies course offers a curriculum based on integrated prerequisite skills in the general education US history course. The focus is on understanding the US governmental systems, the monetary system, and citizenship in the school, local community, state, and national community.

GPA level is determined by the year the student began 9th grade. Refer to page 12 for details.

PRACTICAL UNITED STATES GOVERNMENT (GOVT 03330100)**PERSONAL UNITED STATES GOVERNMENT (GOVT 03330100)**

Prerequisite: Placement	Diagnostic Evaluation & ARD Committee	Credit:	1/2	GPA: Tier I
Grade Level:	9-12	Semesters or Trimesters:	1	

This course offers a curriculum based on integrated prerequisite skills in the general education government course. The focus is on understanding the US governmental systems, the monetary system, and citizenship in school.

PRACTICAL ECONOMICS AND FREE ENTERPRISE (ECON-FR 03310300)**PERSONAL ECONOMICS AND FREE ENTERPRISE (ECON-FR 03310300)**

Prerequisite:	Diagnostic Evaluation & ARD Committee Placement	Credit:	1/2	GPA: Tier I
Grade Level:	9-12	Semesters or Trimesters:	1	

This course offers a curriculum based on integrated prerequisite skills in the general education economics course. The focus is on understanding the US monetary system and basic skills for buying and purchasing items as well as money management.

PRACTICAL/PERSONAL SCIENCE**PRACTICAL INTEGRATED PHYSICS AND CHEMISTRY (IPC 03060200)****PERSONAL INTEGRATED PHYSICS AND CHEMISTRY (IPC 03060200)**

Prerequisite:	Diagnostic Evaluation & ARD Committee Placement	Credit:	1	GPA: Tier I
Grade Level:	9-12	Semesters/ Trimesters:	2	

This science course offers a curriculum based on prerequisite skills to the general education physics and chemistry course. The focus is on the studies of science-based concepts related specifically to independent daily living and employment. Attention is given to relating science to home and job practices that foster the understanding of student roles and responsibilities in the care and operation of both home and job. Activities are "hands-on" experiences with an emphasis on cooperative learning strategies.

PRACTICAL BIOLOGY (BIO 03010207)**PERSONAL BIOLOGY (BIO 03010207)**

Prerequisite:	Diagnostic Evaluation & ARD Committee Placement	Credit:	1	GPA: Tier I
Grade Level:	9-12	Semesters or Trimesters:	2	

This science course offers a curriculum based on prerequisite skills to biology based on individual student needs. The focus is on the science-based concepts related specifically to independent daily living and employment. Attention is given to relation science to home and job practices that foster the understanding of student roles and responsibilities in the care and operation of both home and job. Activities are "hands-on" experiences with an emphasis on cooperative learning strategies.

PRACTICAL ENVIRONMENTAL SYSTEMS (ENVIRSYS 03020000)**PERSONAL ENVIRONMENTAL SYSTEMS (ENVIRSYS 03020000)**

Prerequisite:	Diagnostic Evaluation & ARD Committee Placement	Credit:	1	GPA: Tier I
Grade Level:	9-12	Semesters or Trimesters:	2	

This science course offers a curriculum based on prerequisite skills to the general education environmental systems course. The focus is on the studies of science-based concepts related specifically to independent daily living and employment. Attention is given to relating science to home and job practices that foster the understanding of student roles and responsibilities in the care and operation of both home and job. Activities are "hands-on" experiences with an emphasis on cooperative learning strategies.

PRACTICAL/PERSONAL ELECTIVES**PRACTICAL CAREER PREPARATION I-II (CAREERP1- 12701300; CAREERP2- 12701400)****PERSONAL CAREER PREPARATION I-II (CAREERP1- 12701300; CAREERP2- 12701400)**

Prerequisite:	Diagnostic Evaluation & ARD Committee Placement	Credit:	2-3	GPA: Tier I
Grade Level:	10-12	Semesters or Trimesters:	2-4	

The Practical Occupational Investigations course is modified for students who need pre-employment training or skills in a significantly modified format. The course includes the development of concepts and skills needed in acquiring and maintaining a job, socioeconomic factors related to occupations and vocational self-appraisal. Students will examine the rights and responsibilities of employees and employers including safety issues and guidelines, social skills development, job search, and vocational experiences in the community. The use of the computer and Internet for job search, completing on-line applications and data entry will be part of this course.

PRACTICAL EMPLOYABILITY SKILLS (GEMPLS N1290060)**PERSONAL EMPLOYABILITY SKILLS (GEMPLS N1290060)**

Prerequisite:	Diagnostic Evaluation & ARD Committee Placement	Credit:	½-1	GPA: Tier I
Grade Level:	9-12	Semesters or Trimesters:	2	

This course will work on the prerequisite skills necessary to gain and maintain employment. Students will work on social skills for the workplace, time management, safety skills for the workplace, productivity and quality work skills.

ADULT TRANSITION COURSES

Prerequisites:

- Completion of minimum graduation requirements
- Individual transition goals and family support leading to employment, adult living
- Understanding that the high school experience is complete
- Diagnostic Evaluation and ARD Committee placement
- Prerequisite Personal/Practical employability skills

ADULT LIVING I

Prerequisite:	SEE ABOVE	Credit:	$\frac{1}{2}$ -1 $\frac{1}{2}$
Grade Level:	12	Trimesters:	1-3

This adult transition course provides the young adult student with skills for semi-independent or independent living options including money management, simple meal planning and preparation, health and hygiene awareness, and time management.

ADULT LIVING II

Prerequisite:	SEE ABOVE	Credit:	$\frac{1}{2}$ -1 $\frac{1}{2}$
Grade Level:	12	Trimesters:	1-3

This adult transition course provides the young adult student with skills needed for independence in a group home or family living option. Activities of daily living skills will be addressed based on the individual needs of the student.

COMMUNITY PARTICIPATION I

Prerequisite:	SEE ABOVE	Credit:	$\frac{1}{2}$ -1 $\frac{1}{2}$
Grade Level:	12	Trimesters:	1-3

Community Participation I is designed to facilitate the young adult student's ability to independently or semi-independently access their community through recreation activities, knowledge of community resources, and participation with adult service providers.

COMMUNITY PARTICIPATION II

Prerequisite:	SEE ABOVE	Credit:	$\frac{1}{2}$ -1 $\frac{1}{2}$
Grade Level:	12	Trimesters:	1-3

Community Participation II is designed to provide the adult student with skills and experiences which will facilitate their active participation in their community after public school.

EMPLOYMENT TRAINING AND EXPERIENCE I

Prerequisite:	SEE ABOVE	Credit:	$\frac{1}{2}$ -1 $\frac{1}{2}$
Grade Level:	12	Trimesters:	1-3

This adult transition course provides employment training and experiences leading to supported or competitive community employment.

EMPLOYMENT TRAINING AND EXPERIENCE II

Prerequisite:	SEE ABOVE	Credit:	$\frac{1}{2}$ -1 $\frac{1}{2}$
Grade Level:	12	Trimesters:	1-3

This adult transition course provides employment training and experiences leading to sheltered employment or day habitation.

EXPLORATION OF POST-SECONDARY EDUCATION OPTIONS

Prerequisite:	SEE ABOVE	Credit:	$\frac{1}{2}$ -1 $\frac{1}{2}$
Grade Level:	12	Trimesters:	1-3

This course is for the adult student who has the desire and ability to access post-secondary education options such as local community courses, the community college, and/or certificate programs through a college or training facility.

HEB ISD SUMMER SCHOOL

HEB SUMMER SCHOOL information and materials will be available on each secondary campus after May 1. Any questions should be directed to your home campus. **ALL SUMMER SCHOOL ENROLLMENT MUST BEGIN ON YOUR HOME CAMPUS WITH APPROVALS GIVEN BY YOUR COUNSELOR.**

Hurst-Euless-Bedford Independent School District Equal Opportunity Statements

Section §504

1. No qualified handicapped person shall, on the basis of handicap, be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination under any program or activity sponsored by this school district except as specifically provided in Section 504 Implementing Regulations.
2. Hurst-Euless-Bedford Independent School District does not discriminate on the basis of disability by denying access to the benefits of district services, programs, or activities.

TITLE IX

No administrative officer or employee of the Hurst-Euless-Bedford Independent School District, acting in his/her official capacity may discriminate on the basis of a person's sex, race, religion, color, language, or national origin regarding: personnel practices, including assigning, hiring, promoting. Compensating, and discharging employees, use of facilities, awarding contracts, and participation in programs.

CAREER AND TECHNICAL EDUCATION PROGRAM

Hurst -Euless-Bedford ISD offers career and technical education programs in Architecture & Construction, Arts, A/V Technology & Communications, Business, Marketing & Finance, Education & Training, Health Science, Hospitality & Tourism, Human Services, Information Technology, Law & Public Service, Manufacturing, Science, Technology, Engineering & Mathematics, Transportation, Distribution and Logistics. Admission to the program is based on interest and aptitude, age appropriateness, and class space availability.

It is the policy of Hurst-Euless-Bedford ISD not to discriminate on the basis of race, color, national origin, sex or handicap, in its vocational programs, services, or activities 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.

It is the policy of Hurst-Euless-Bedford ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment programs activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended.

Hurst-Euless-Bedford ISD will take steps to assure that lack of English language skills not be a barrier to admission and participation in all educational and vocational programs.

For information about your rights or grievance procedures, contact Title IX Coordinator, Chris Hill and/or the Section 504 Coordinator, Carla Docken, at 1849 Central, Bedford, Texas 76022, 817-283-4461.

**HURST-EULESS-BEDFORD
INDEPENDENT SCHOOL DISTRICT**

**2021-2022
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*A Publication of the Hurst-Euless-Bedford Secondary Schools
Department of Counseling and Guidance*