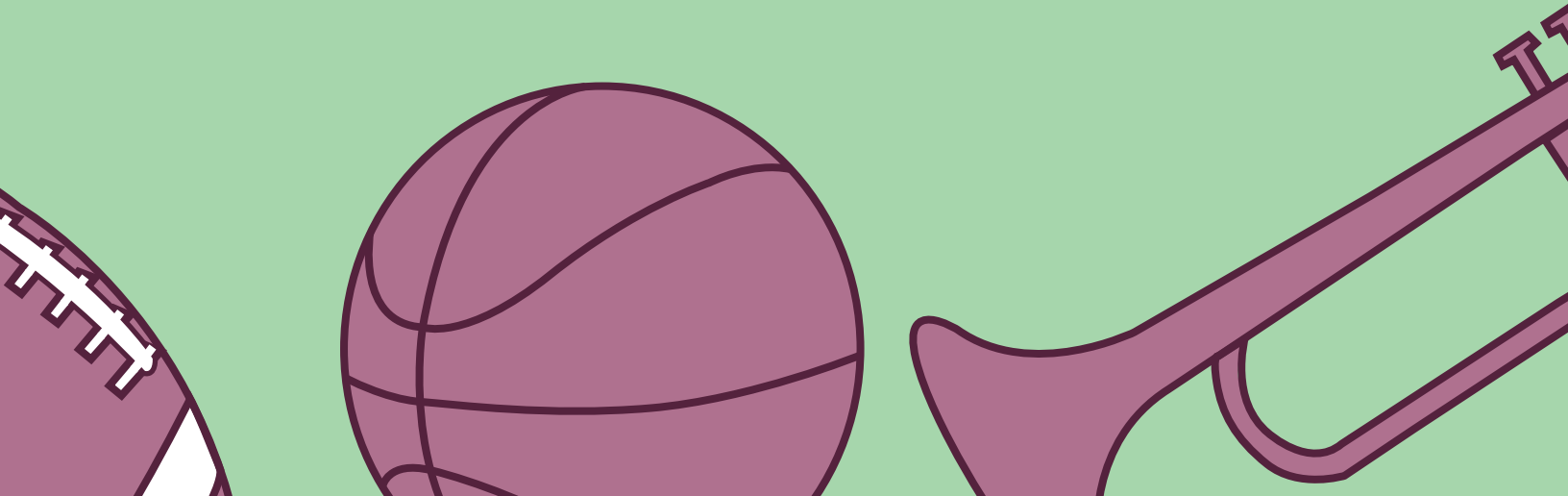


High School Academic Planning Guide



BOARD OF TRUSTEES

MATT ROMERO
President

JULIE COLE
Vice-President

CHRIS BROWN
Secretary



JOE HARRINGTON, Ed.D.
Superintendent of Schools

BOARD OF TRUSTEES

DR. JOHN BIGGAN

FRED CAMPOS

ANDY CARGILE

BECKY EWART

Parents and Students:

The Hurst-Euleless-Bedford ISD vision statement is “Empowering Today To Excel Tomorrow”. This academic planning guide provides the information for our students to achieve this vision. The Department of Counseling and Guidance has prepared this 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 guide to select courses for next year so that both are fully aware of all available opportunities.



We understand that choosing the right courses and graduation plan can be difficult. A detailed description of the four-year plan and available endorsements provided by HEB ISD are included in this planning guide. While this process may seem complex, you should be encouraged to know that we have an entire team of counselors and campus staff ready to help guide you. The academic programs in HEB ISD are rigorous and relevant to your needs, not only today, but for tomorrow. We encourage you to challenge yourself when choosing courses, and choose a career path that will help you achieve all of your aspirations.

Students are encouraged 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 decision of the student and parent to select the courses that are required for the student’s preferred graduation plan.

On behalf of the HEB ISD staff and the Board of Trustees, I wish you success in your high school years. Our commitment in HEB ISD is to provide the opportunity for all students to achieve at their highest level.

Sincerely,

A handwritten signature in black ink, appearing to read "Joe Harrington".

Joseph Harrington, Ed.D.
Superintendent of Schools

1849 A Central Drive, Bedford, Texas 76022-6096 817.283.4461
www.hebisd.edu

AN EQUAL OPPORTUNITY EMPLOYER

TABLE OF CONTENTS

High School Academic Planning Guide

DEFINITIONS	4
PROCEDURES FOR ADMISSIONS INTO ADVANCED ACADEMICS COURSE	4
DUAL CREDIT GUIDELINES FOR HEB ISD SECONDARY SCHOOLS	9
GRADE SCALE AND GRADE POINT EQUIVALENTS	17
SECONDARY GRADE BOOK TEMPLATE	18
GRADUATION REQUIREMENTS FOR STUDENTS BEGINNING 9TH GRADE IN 2014-2015	24
INTERNATIONAL BACCALAUREATE PROGRAM	28
CAREER AND TECHNICAL EDUCATION PROGRAMS OF STUDY	42
CAREER AND TECHNICAL EDUCATION COURSES.....	120
ENGLISH LANGUAGE ARTS	160
MATHEMATICS	166
MISCELLANEOUS.....	170
PHYSICAL EDUCATION-HEALTH-ATHLETICS	172
SCIENCE	174
SOCIAL STUDIES	178
VISUAL AND PERFORMING ARTS	182
WORLD LANGUAGES	187
SPECIAL EDUCATION	191
ADULT TRANSITION	197
HEB ISD SUMMER SCHOOL / EQUAL OPPORTUNITY STATEMENT	199

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 70.

A grade of 70 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 70 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.

[HEB ISD CTE](#)

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. SAT Reasoning scores range from 200 to 800 on each section, with a total maximum score of 1600. The test is given to all juniors in March of each year. 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 2.0 (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 (Concentrator: A student who has completed 2 or more courses for at least 2 credits in a single program of study. Completer: A student who has completed 3 or more courses for 4 or more credits including a level 3 or level 4 course in a single program of study) in addition to earning a nationally recognized industry certification.
2. Performs at or above criterion score on one or more AP/IB exams (AP minimum score of 3; IB minimum score of 4)
3. Completes 3 hours in ELA (including speech) or Math, OR 12 hours or more of earned post-secondary (dual) credit in any course.
4. Achieves TSI benchmark standard (may combine):
 - 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.
 - College Preparatory Course- Texas College Bridge for English and/or math.
5. Enlists in the U.S. Armed Forces and provides the DD Form 4, Enlistment/Reenlistment Document.

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

COLLEGIATE ACADEMY – The Collegiate Academy of HEB ISD is located on the Tarrant County Community College Northeast Campus. The Academy offers a free opportunity for students to earn an associate's degree while completing high school graduation requirements and therefore offers classes not available at other high school campuses. (This type of program is sometimes referred to as "early college" or "dual enrollment".)

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.
- The student must have a yearly waiver form on file in the counseling office.

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 necessarily available for CBE without prior instruction and if so, STAAR exams must still be passed.

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 ISD 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 and college career and military readiness 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.

EVALUATION OF GRADES FROM FOREIGN COUNTRIES/NON-ACCREDITED SCHOOLS- For students from a foreign country or non-accredited school, validated credits earned at the previous school will apply toward graduation requirements; however, those grades will be transcribed as a “P” [passing] or “F” [failing] and shall not be included in the computation of rank.

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 bi-literacy, 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 ISD 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 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)

HYBRID COURSE – Throughout the semester, students will benefit from a dynamic combination of remote and in-person sessions, providing them with the flexibility to explore concepts independently and engage in collaborative activities with their peers.

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 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 cost.

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 a minimum score of 480 on the Evidenced-Based Reading and Writing (EBRW) test and a minimum score of 530 on the mathematics test (no combined score) if the SAT was administered on or after March 5, 2016.

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 currently, 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.

TRANSFERRED GRADES – When a student transfers semester grades for courses that would be eligible under the Tier I category and the district has accepted the credit, the district shall include the grades in the calculation of class rank.

When a student transfers semester grades for courses that would be eligible to receive additional weight under the district's weighted grade system, the district shall assign additional weight to the grades based on the categories and grade weight system used by the district only if a similar or equivalent course is offered to the same class of students in the district.

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.

UIL ELIGIBILITY – The following UIL standards are used to determine academic eligibility for the first six weeks for the school year.

- Grade 9 and below: Students must have been promoted from the previous grade.
- Grade 10: Five accumulated credits that count toward state graduation requirements.
- Grade 11: Ten accumulated credits that count toward state graduation requirements or student must have earned at least five credits within the last twelve months.
- Grade 12: Fifteen accumulated credits that count toward state graduation requirements or student must have earned at least five credits within the last twelve months.

VALEDICTORIAN, SALUTATORIAN AND TOP TEN PROCEDURES – beginning with the class of 2020:

Consistent Application for Graduating Class

The district shall apply the same class rank calculation method and rules for local graduation honors for all students in a graduating class, regardless of the school year in which a student first earned high school credit.

Calculation

The district shall include in the calculation of class rank semester grades earned in all courses to which state graduation credit is applied.

The calculation shall include failing grades.

Transferred Grades

When a student transfers semester grades for courses that would be eligible under the Regular or Tier I category and the district has accepted the credit, the district shall include the grades in the calculation of class rank.

When a student transfers semester grades for courses that would be eligible to receive additional weight under the district's weighted grade system, the district shall assign weight to those grades based on the categories and grade weight system used by the district if similar or equivalent courses are offered to the same class of students in the district.

Local Graduation Honors

For the purpose of determining honors to be conferred during graduation activities, the district shall calculate class rank at the end of the fifth six-week grading period of the senior year.

For the purpose of applications to institutions of higher education, the district shall also calculate class rank as required by state law. The district's eligibility criteria for local graduation honors shall apply only for local recognitions and shall not restrict class rank for the purpose of automatic admission under state law. [See EIC(LEGAL)]

Valedictorian and Salutatorian

The valedictorian and salutatorian shall be the eligible students with the highest and second highest ranking, respectively. To be eligible for such recognition, a student must:

Have been continuously enrolled in the district high school for the two full school years immediately preceding graduation;

Have completed the Recommended Program, the Advanced/Distinguished Achievement Program, or the foundation program with the distinguished level of achievement; and be graduating after exactly four years of enrollment in high school.

Top Ten Graduates

The district shall recognize as an honor graduate each student who has earned ranking as a top ten graduate.

Breaking Ties

In case of a tie in weighted GPAs for the top ten ranked students, the district shall compute the weighted GPA to a sufficient number of decimal places until the tie is broken.

If the tie is not broken after applying this method, the district shall recognize all students involved in the tie as sharing the honor and title.

All other tying students shall receive the same ranking, and the next position shall be skipped before continuing with the next ranked student, e.g., 28 of 550, 28 of 550, then skipping to 30 of 550.

Highest- Ranking Graduate

The student meeting the local eligibility criteria for recognition as the valedictorian shall also be considered the highest-ranking graduate for purposes of receiving the honor graduate scholarship certificate from the state of Texas.

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

XELLO – Software program to help 8th-12 grade students explore interests and career options, create and monitor a four-year graduation plan, research college and post-secondary options and achieve school, career and life goals.

<https://xello.world/en/>

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 start 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.



No-Pass, No-Play Waiver Form

Following Hurst-Eules-Bedford school board policy, FM Regulation, eligibility for participation in UIL activities shall be determined in accordance with the UIL Side-by-Side and administrative regulations. The suspension and reinstatement provisions of Education Code 33.081(c) and (d) do not apply to an advanced placement or international baccalaureate course, or to an honors or dual credit course in the subject areas of English language arts, mathematics, science, social studies, economics, or a language other than English. Education Code 33.081(d-1). Honors classes for purposes of eligibility to participate in extracurricular activities are listed at 19 Administrative Code 74.30(a).

Districts may identify additional honors courses in the subject areas of English language arts, mathematics, science, social studies, or a language other than English for the purposes of extracurricular eligibility but must identify such courses before the semester in which any exemptions related to extracurricular activities occur. Please see the full list of HEB-approved courses on the next page.

Any student who fails one AP or IB course (any course) or Advanced Academics course for a six weeks grading period may waive ineligibility for the following six weeks. ALL dual credit courses are exempt from UIL eligibility requirements. Any grade below a 70 can be waived, there is no grade cutoff. **This waiver may only be used for one class per semester/trimester and covers all UIL activities the student can participate in.** If a student fails more than one course in a six weeks or fails the same course, or another course in a subsequent six weeks, the student is not eligible to participate in UIL activities.

Completed forms must be returned to the appropriate coach/fine arts director.

Due to receipt of a failing grade in _____
(Course)
_____ will be claiming a waiver for _____ for the
(ID number, student name) (Sport)
_____ six weeks of the 20__ -20__ school year.

Student Signature

Parent Signature

Teacher of UIL Activity Name (Print)

Teacher of UIL Activity Signature

Athletic Coordinator/Fine Arts Director or Administrator Designee Signature

7th-8th final copy to be turned in to junior high athletic coordinator or fine arts director; 9th-12th to high school athletic coordinator or campus fine arts director

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

www.hebisd.edu

AN EQUAL OPPORTUNITY EMPLOYER

Hurst-Euless-Bedford Independent School District

Advanced Classes Identified for No Pass, No Play Exemption for 2026-2026

The courses listed below were approved by the Hurst-Euless-Bedford I.S.D Board of Trustees to supplement the list of advanced classes identified in the Texas Administration Code Chapter §74, Curriculum Requirements, Subchapter C, Other Provisions, Rule 74.30 for no pass, no play exemptions.

All College Board Advanced Placement (AP), International Baccalaureate (IB), and Dual Credit/Dual Enrollment college courses in all disciplines are automatically included.

English Language Arts

Adv/Ac English I & II

GT English I & II

Mathematics

Precalculus(per statute)

Adv/Ac Algebra I & II

Adv/Ac Precalculus

Adv/Ac Geometry

Social Studies

Adv/Ac World Geography Studies

Languages Other Than English

Adv/Ac Arabic II & III

Adv/Ac Chinese II & III

Adv/Ac French II & III

Adv/Ac German II & III

Adv/Ac Spanish II & III

Science

Adv/Ac Biology I

Adv/Ac Chemistry I

Adv/Ac Physics I

Other

Honors Engineering Design and Presentation II

Honors Health Science Theory/Clinical SITE/ROT/PCT Honors

Practicum in Health Science/Phlebotomy, Fire/EMT Honors

Practicum in Human Services

Honors Extended Practicum in Human Services

Honors Medical Microbiology

Honors Pathophysiology

Honors Pharmacology

Honors Practicum in STEM

Honors Extended Practicum in STEM

Honors Anatomy and Physiology

Honors Aerospace I & II

College, Career, Military Readiness

at HEB Independent School District



Students only have to meet one of the criteria listed below to be considered CCMR ready

College Readiness

- Meets criteria on the Texas Success Initiative (TSI) through either TSIA, SAT, or ACT exams (see scores below); **OR**

Assessment	Reading/ELAR	Math
TSIA	945+ OR 910-944 with a diagnostic level of 5-6; AND essay of 5-8	950+ OR 910-949 with a diagnostic level of 6
SAT	480	530
ACT	English + Reading Combined Score ≥ 40	22

- Meets criteria on IB exams with a score of 4 or higher on at least one test; **OR**
- Meets criteria on AP exams with a score of 3 or higher on at least one test; **OR**
- Earns an associates degree; **OR**
- Special Education students who graduate under an Advanced Degree Plan; **OR**
- Earns dual course credits with 3 credit hours in English or Math or 9 credit hours in any subject



Career Readiness

- Earns an industry-based certification (IBC) with completer status (at least 4 CTE credits in 3 or more courses, including one level 3 or 4 course in the same program of study); **OR**
- Special Education students who graduate with a completed IEP and workforce readiness

Military Readiness

- Enlist in the U.S. Armed Forces or Texas National Guard





Hurst Euleless Bedford ISD wants to ensure your student is prepared for life after high school. Our goal is to have each student deemed "College and Career Ready" per Texas Education Agency Guidelines. Therefore, **in order for juniors and seniors to have an early release or office aide for the 2025-2026 school year, they must meet a readiness standard.**

Current Readiness Standards:

- *SAT/ACT/TSIA/College Prep:* Meet Texas Success Initiative (TSI) criteria in ELA/Reading and Math
- *AP/IB:* Meet criteria on Advanced Placement (AP) (3) / International Baccalaureate (IB) (4) exam
- *Dual:* Earn dual course credits, 3 hours in ELA or Math, or 9 total
- *Earn an Associate's Degree*
- *Enlist:* Enlist in the U.S. Armed Forces and turn in signed DD form 4
- *Industry Certification:* Earn an industry-based certification, and be a Completer in CTE coherent sequence coursework aligned with industry-based certification
- *IEP:* Graduate with completed Individualized Education Program (IEP) and workforce readiness
- *Advanced:* Graduate as a special education student from an advanced degree plan

At this point, the student will need to select one of the following ways to pursue distinction. The following describes your options for your H.E.B. ISD student to complete this task before the end of the year, free of charge:

College Ready = Take and pass one of the following tests:

*(If your student decides to test and does not meet the Criteria score, you will need to attain another CCMR indicator to receive early release, and/or a student aide period during the 12th grade.)**

_____ Meet TSIA 2 Criteria in Reading by earning a minimum of 945 and a 5 on the essay and Mathematics of a minimum of 950

_____ Meet SAT Criteria* minimum of 480 on Reading/Writing and a minimum score of 530 on Mathematics OR ACT Criteria* minimum of 40 on English & Reading combined, and a minimum score of 22 on Mathematics

_____ I am taking the following AP/IB exam _____ and expect to meet the passing standard

Career Ready = Take and pass the following industry-based certification, and be a completer (three or more courses for four or more credits, including one level three or level four course in the same program of study):

_____ I plan to complete the following CTE Program of Study: _____ and intend to pass the _____ certification test that counts towards the A-F accountability CTE Certification List and pass _____ course to become a Completer.

Printed Student Name/Grad Year

Student Signature

Date

Parent Signature

Date

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 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, Oral Interpretation or Communication Applications

HEALTH

One half-credit

TECHNOLOGY

One Credit

ELECTIVES FOR ONE ENDORSEMENT

Four credits

TOTAL CREDITS: 26

ENDORSEMENT CHOICES

STEM

Engineering

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.

HEB
HURST - EULESS - BEDFORD
Independent School District

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

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 _____

Fast Track Your Path to Texas Universities

Texas First Diploma

We're excited to introduce the **TEXAS FIRST DIPLOMA**. This prestigious opportunity enables you to graduate early with the Distinguished Level of Achievement AND receive a scholarship for college.

As one of Texas' top students, you may be eligible to accelerate your path to college and receive a scholarship for one or two semesters at one of these Texas universities:

- Texas A&M University
- Texas State University
- Texas Tech University
- The University of Texas at Arlington
- The University of Texas at Austin
- The University of Texas at Dallas
- The University of Texas at El Paso
- University of Houston
- University of North Texas
- The University of Texas at San Antonio

For more information, scan the QR code below!



Talk to your counselor today to see if this exciting new opportunity is the right path for you!

THE FINE PRINT

Here are the eligibility requirements:

- Texas residency
- FAFSA completion
- At least 22 high school credits and a final GPA equivalent to 3.0 or higher
- Additional academic requirements, including college readiness test scores, STAAR exam participation, and demonstration of mastery in various subjects

Scan the QR code above for a detailed list of eligibility requirements.

If you graduate two or more semesters early, you'll receive a two-semester scholarship, worth several thousand dollars, to a participating university.

If you graduate one semester early, you'll receive a one-semester scholarship to a participating university.

You may also be eligible for additional financial aid at most of these institutions!

The Texas First Diploma does not guarantee automatic admission for students. Consult your counselor for guidance on whether your grade point average at graduation qualifies you for automatic admission under the state's top 10 percent law.

You can apply to any college or university you choose. However, the scholarship will only apply toward participating universities, listed above.

Use it or lose it! The scholarship offer will expire at the end of the first academic year following your graduation, so we encourage you to attend college directly after high school.

Don't forget to talk to your counselor to see if this is the right path for you!

THECB

**Texas Higher Education
COORDINATING BOARD**

27

Noted: Individual Review Auto admissions is for general admissions to the university, not for specific programs. Information is for Class of 2024 and is subject to change without notice. For Texas public colleges students will be required to submit ACT/SAT/PSAT score to verify college level readiness.

Created by Shelby Wilson, College Facilitator - James E. Taylor HS



The IB Diploma Programme

Preparing students for success in higher education
and to be active participants in a global society



Frequently asked questions about the Diploma Programme

What is the Diploma Programme?

The Diploma Programme (DP) is a curriculum framework designed by the International Baccalaureate (IB) for students in the last two years of high school.

IB students graduating with the IB diploma are able to study at universities all around the world, often with advanced credit. Students report that their involvement with the IB has given them the tools needed to succeed at college. In particular, students comment on their sense of preparedness, self-confidence, research skills and their ability to manage their time. Even more important, they have developed a sense of the world around them and their responsibility to it.

Diploma Programme students study six subjects (three at standard level and three at higher level) over two years and complete three additional requirements: the theory of knowledge (TOK), the extended essay and at least 150 hours of CAS—creativity, activity and service tasks outside of the classroom. In addition to these requirements, students must earn a minimum of 24 points out of a possible 45 points on the final assessments which are externally marked and moderated by the IB, in order to receive an IB diploma.

Theory of knowledge (TOK)

TOK is an interdisciplinary course designed to help students question and understand how they know what they know. Students study how individuals from various disciplines view the world in order to develop their own ways of thinking. By stimulating analysis of knowledge across disciplines, TOK seeks to help students make sense of school and the world.

Creativity, activity, service (CAS)

CAS is an experiential learning component of the DP. Students complete a wide variety of extracurricular, community service and athletic options to fulfill this requirement.

Extended essay

The extended essay introduces students to the demands and rewards of independent work. Emphasis is placed on doing personal research and communicating ideas effectively in order to write a 4,000-word essay in an area of personal interest.

How do colleges and universities view the Diploma Programme?

The DP is internationally recognized as representing one of the highest standards in university preparatory education. More than 1,000 colleges and universities in North America have recognition policies on how they weigh it in admissions, advanced standing, college credit and scholarships.

A list of colleges and universities that grant credit, scholarships and/or advanced standing for DP diplomas and certificates is available at www.ibo.org.



What kind of student is a good candidate for the DP?

The DP is a rigorous course of study for motivated students. That said, prior academic success is less an indicator of ability to earn the diploma than are a student's determination to do his or her best, willingness to be organized in order to complete the work while leading a full, balanced life, and a strong commitment to learning in and beyond the classroom.

Do DP students have time for anything beyond academics?

Absolutely. Most successful Diploma Programme students lead very full lives. They are often members of athletic teams and involved in a wide range of activities. Time management and organization are key skills the IB develops in students.

Are IB programmes considered “gifted” programmes?

The IB does not control how schools designate their Diploma Programme. In some instances, schools choose to designate the programme as selective enrolment via application or as a magnet programme. In other cases, the programme is open to any student.

Do DP teachers receive special training?

All DP teachers receive professional development in the IB's approaches to teaching and approaches to learning from certified IB workshop leaders. This is a requirement for IB World Schools implementing the DP.

Does implementing an IB programme mean my child's school will not teach local or national standards such as the Common Core?

The IB is committed to making sure that students in IB programmes meet and exceed local or national standards.

With the implementation of any IB programme, schools are required to examine their curriculum carefully to ensure that there is alignment with local, state or national standards. More information on the IB and the Common Core is available at

www.ibo.org.

What's the difference between the diploma and certificates?

Not all students choose to take the full course load leading to a diploma. Instead, some take a few DP courses in areas where they have a particular interest or strength, similar to honours and Advanced Placement classes. Certificates are awarded on a course-by-course basis to students who choose not to do the full programme. Students who satisfactorily complete a DP course earn a certificate and may be eligible for university credit.

How does the IB DP differ from other university-preparatory programs such as Advanced Placement and Cambridge?

The IB DP is a two-year comprehensive curriculum with a culminating set of externally graded final exams. IB, Advanced Placement (AP) and other college-preparatory curriculums like Cambridge are all university preparatory, academically rigorous programmes. There are important differences, however, in the content and exams. The DP is a cohesive and comprehensive programme, not a collection of individual courses as is the case with Advanced Placement. The most important distinguishing factor is the core of the Diploma Programme (CAS, TOK and extended essay).

Can you give a specific example of how the DP prepared students for college?

A 2012 study by the Consortium for Chicago School Research found that Diploma Programme students who graduated from 12 Chicago public schools were more likely to attend college, attend a selective college and persist in college for 2 years than a matched comparison group. Additional studies on programme impact are available at

www.ibo.org/research

How can I learn more about the IB and DP?

- Visit the IB website at www.ibo.org
- Attend school meetings and events
- Speak with your school's DP coordinator
- Speak with your child's DP classroom teachers.

INTERNATIONAL BACCALAUREATE

Special Note: The International Baccalaureate Program is open to all Hurst Euless Bedford ISD students. This is a junior and senior year program, and students will commit to the program in the middle of their sophomore year.

SL=Standard Level

HL=Higher Level

ENGLISH

IB Language and Literature III and IV - HL

Prerequisite:	English II	Credit:	2	GPA: Tier III
Grade Level:	11 and 12	Trimesters:	4	

The IB Language and Literature course introduces the critical study and interpretation of written and spoken texts from a wide range of literary forms and non-literary text-types. The formal analysis of texts is supplemented by awareness that meaning is not fixed but can change in respect to contexts of production and consumption. A key aim is the development of critical literacy. *Students enrolled in this course are required to take the appropriate IB examination.*

MATH

IB MATHEMATICS: APPLICATIONS AND INTERPRETATION - SL (IBMATHSL I3100100)

Prerequisite:	Algebra II; IB diploma candidate	Credit:	1	GPA: Tier III
Grade Level:	11-12	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:	1½	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:	11- 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.***

SCIENCE

IB BIOLOGY - SL AND HL (IBBIOSL I30102001) (IBBIOHL I3010202)

Prerequisite:	AdvAc Biology I; Chemistry I (may take concurrently); IB diploma candidate	Credit:	1- 2	GPA: Tier III
Grade Level:	11-12	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.***

IB CHEMISTRY - SL AND HL (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. ***Students enrolled in this course are required to take the appropriate IB examination.***

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.***

IB PHYSICS - SL AND HL (IBPHYSSL I3050002) (IBPHYSHL I3050003)

Prerequisite:	Chemistry or Teacher Approval	Credit:	1 -1 ½	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. ***Students enrolled in this course are required to take the appropriate IB examination.***

SOCIAL STUDIES

IB GEOGRAPHY - SL AND HL (IBGEO I3302100) (IBGEO I3302200)

Prerequisite:	Geography for HL students and AdvAc; IB diploma candidate	Credit:	1-2	GPA: Tier III
Grade Level:	11-12	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.***

IB HISTORY OF THE AMERICAS (IBHISTAM I3301300)

Prerequisite:	IB diploma candidate	Credit:	1- 1 ½	GPA: Tier III
Grade Level:	11	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 assessments 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..***

IB ECONOMICS- SL AND HL (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 enrolled in this course are required to take the appropriate IB examination.***

IB PSYCHOLOGY- SL AND HL (IBPSYCSL I3304100)

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.***

VISUAL AND PERFORMING ARTS

ART

IB ART III & IV - SL AND HL (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.

IB ART HISTORY - SL (APHISART A3500100)

Prerequisite: None	Credit: 1	GPA: Tier III
Grade Level: 11-12	Trimesters: 2	

IB Art History – This course will provide students with a historical, social and cultural perspective on artistic production across and within societies, and they will develop considerable expertise in those areas. First-hand experience of artworks is desirable in the study of art history, and extensive use should also be made of art historical learning, including documentary sources and art criticism, stimulating students to develop informed critical responses. Emphasis is placed on the development of analytical and discursive skills, both in writing and orally. Students should be required to research independently, make presentations in class, contribute to class discussion and submit written papers throughout the course. The study of art history can contribute to students' appreciation of their own cultures and foster respect and understanding for other cultures. "Successful completion of this advanced academics course will gain the student one fine arts credit with weighted GPA. *Students enrolled in this course are required to take the appropriate IB examination.*

DANCE

IB DANCE - SL AND HL (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

IB MUSIC - SL AND HL (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.*

THEATRE ARTS

IB THEATRE - SL AND HL (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

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: 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.*

IB ARABIC IV - SL (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.*

IB FRENCH IV-V - SL AND HL (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, students 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.*

IB GERMAN IV-V - SL AND HL (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.***

IB HINDI IV-V - SL (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.***

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. ***Students enrolled in this course are required to take the appropriate IB examination.***

IB SPANISH IV-V A-B - SL AND HL (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 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.***

CTE

IB DIGITAL SOCIETY- SL and HL (IBITGSL I3580400) (IBITGSHL I3580500)

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

The Digital Society (DS) course invites students and teachers to explore the impacts and implications of digital systems for people and communities in diverse real-world contexts. Rooted in the interdisciplinary perspectives and skills of the social sciences and humanities, the course develops attributes of the IB learner profile while preparing students for further study in a variety of fields and professions. DS aims to empower students to become citizens who not only participate in digital society but lead it as well. Students will understand key characteristics of technology including, but not limited to data, algorithms, computers, networks and internet, media, Artificial Intelligence, robots and autonomous technologies within the context of cultural, economic, environmental, health, human knowledge, political and social realms. ***Students enrolled in this course are required to take the appropriate IB examination.***

IB COMPUTER SCIENCE II, III (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 enrolled in this course are required to take the appropriate IB examination.***

MISCELLANEOUS

IB BUSINESS AND MANAGEMENT - SL and HL (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 examination.***

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.***

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:

- | | |
|--|---|
| • AdvAc Computer Science | • Graphic Design & Illustration |
| • Advanced Legal Skills & Professions | • Health Science Theory (Fire Academy) |
| • Animation | • Honors Health Science Theory/Clinical (Clinical ROT/Site/PCT) |
| • AP Computer Science Principles | • Honors Intro to Unmanned Aerial Vehicles |
| • Architectural Design | • Honors Robotics |
| • Audio/Video Production | • Instructional Practices |
| • Automotive Technology (Maintenance & Light Repair) | • Law Enforcement |
| • Business Information Management | • Networking |
| • Computer Maintenance | • Principles of Applied Engineering |
| • Computer Science | • Principles of Information Technology |
| • Cosmetology | • Robotics |
| • Culinary Arts | • Social Media Marketing |
| • Digital Media | • Video Game Design |
| • Engineering Design and Presentation | • Web Design |
| • Family & Community Services | • Welding |
| • Fundamentals of Computer Science | |

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 total of five Social Studies credits in a coherent sequence

A coherent sequence of four credits by selecting courses from one or two disciplines from Art, Dance, Music, or Theatre

Four credits of the same language in a language other than English

Two credits of the same language in a language other than English and 2 levels of a different language in a language other than English

Four 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.

Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation

Four credits in each of the four foundation subject areas to include English IV and Chemistry and/or Physics.

Four 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 four elective credits in a sequence of courses in **one** of the following areas or a combination of courses from no more than two areas.

CCMR Credit:

CTE Completer plus earned IBC (Industry Based Certification) in aligned Program of Study.

CTE Completer:

A student who completes, passes, and receives credit for three or more CTE courses for at least four or more credits (course selection must include at least one level three or level four-course).

CTE Business and Industry-Related Programs of Study:

Architecture and Construction

Arts, Audio-Video Technology, and Communications

Business, Marketing and Finance

Cosmetology and Personal Care

Hospitality and Tourism

Information Technology

Manufacturing

Transportation, Distribution, and Logistics

Science, Technology, Engineering, Mathematics (STEM) Endorsement

A student may earn a STEM endorsement by completing the general graduation credit requirements (must include Algebra II, Biology, Chemistry, and Physics) with four credits from CTE STEM, or five Science or Math (must include two credits that have Algebra II as a prerequisite) credits.

CCMR Credit:

CTE Completer plus earned IBC (Industry Based Certification) in aligned Program of Study.

CTE Completer:

A student who completes, passes, and receives credit for three or more CTE courses for at least four or more credits (course selection must include at least one level three or level four-course).

Public Services Endorsement

A student may earn a Public Services endorsement by completing the general graduation credit requirements with four elective credits from one of the following programs of study.

CCMR Credit:

CTE Completer plus earned IBC (Industry Based Certification) in aligned Program of Study.

CTE Completer:

A student who completes, passes, and receives credit for three or more CTE courses for at least four or more credits (course selection must include at least one level three or level four-course).

CTE Public-Service-Related Programs of Study:

Education and Training

Health Science

Human Services

Law and Public Service



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 and provide equal access to the Boy Scouts and other designated youth programs 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

School Year 2025 - 2027



**Career & Technical
Education**

Hurst - Euless - Bedford
Independent School District



Architecture and Construction

- ☐ Architectural Drafting and Design



Arts, Audio/Visual Technology, and Communications

- ☐ Digital Communications
- ☐ Graphic Design and Interactive Media



Business, Marketing, and Finance

- ☐ Accounting and Financial Services
- ☐ Business Management
- ☐ Entrepreneurship
- ☐ Marketing and Sales



Education and Training

- ☐ Teaching and Training



Engineering

- ☐ Civil Engineering
- ☐ Drone (Unmanned Vehicle)
- ☐ Electrical Engineering
- ☐ Engineering Foundations
- ☐ Mechanical & Aerospace Engineering



Health Science

- ☐ Diagnostic & Therapeutic Science*
- ☐ Exercise Science, Wellness & Restoration
- ☐ Nursing Science
- *Fire Academy



Hospitality and Tourism

- ☐ Culinary Arts



Human Services

- ☐ Cosmetology and Personal Care Services
- ☐ Family and Community Services
- ☐ Health and Wellness



Information Technology

- ☐ Cybersecurity
- ☐ Information Technology Support and Services
- ☐ Networking Systems
- ☐ Programming & Software Development
- ☐ Web Development



Law and Public Service

- ☐ Law Enforcement
- ☐ Legal Studies



Manufacturing

- ☐ Robotics & Automation Technology
- ☐ Welding



Transportation, Distribution, and Logistics

- ☐ Automotive

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 and provide equal access to the Boy Scouts and other designated youth programs 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.

HEB ISD Programs of Study Career Clusters

	<u>Architecture and Construction Career Cluster</u>	<u>45</u>
	<u>Arts, Audio/Visual Technology, and Communications Career Cluster.....</u>	<u>48</u>
	<u>Business, Marketing, and Finance Career Cluster</u>	<u>53</u>
	<u>Education and Training Career Cluster</u>	<u>62</u>
	<u>Engineering Career Cluster</u>	<u>65</u>
	<u>Health Science Career Cluster</u>	<u>76</u>
	<u>Hospitality and Tourism Career Cluster</u>	<u>84</u>
	<u>Human Services Career Cluster</u>	<u>87</u>
	<u>Information Technology Career Cluster</u>	<u>94</u>
	<u>Law and Public Service Career Cluster.....</u>	<u>107</u>
	<u>Manufacturing Career Cluster</u>	<u>112</u>
	<u>Transportation, Distribution, and Logistics Career Cluster</u>	<u>117</u>

ARCHITECTURAL DRAFTING & DESIGN



FOR ADDITIONAL INFORMATION ON THE ARCHITECTURE AND CONSTRUCTION CAREER CLUSTER,
PLEASE CONTACT:
HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/departments/career-technical-education/career-technical-education>

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

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

CCMR Credit: CTE Completer plus earned IBC (Industry-Based Certification) in aligned program of study.





Architecture and Construction Career Cluster

The Architecture and Construction career cluster focuses on designing, planning, managing, building, and maintaining the built environment. This career cluster includes occupations ranging from architect, carpenter, and construction manager to electrician, plumber and heating, air conditioning and refrigeration technician.

Statewide Program of Study: Architectural Drafting and Design

The Architectural Drafting and Design program of study focuses on occupational and educational opportunities associated with developing, engineering, and designing building structures and facilities. This program of study includes reading, interpreting, and drawing blueprints for interior and exterior construction projects.

Aligned Advanced Academic Courses

Dual Credit Dual credit offerings will vary by local Education Agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count toward Completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities

- Intern at an architectural firm to develop CADD drafting and design technology skills
- Shadow a civil engineer to learn more about their day-to-day responsibilities

Expanded Learning Opportunities

- Conduct an informational interview with an architect to learn about their role and responsibilities
- Participate in a CTSO (Career & Technical Education Student Organization)

Industry-Based Certifications

- Autodesk Associate (Certified User) 3ds MAX
- Autodesk Associate (Certified User) Fusion 360
- Autodesk Associate (Certified User) AutoCAD
- Autodesk Associate (Certified User) Revit Architecture



Example Postsecondary Opportunities

Apprenticeships

- Drafter



Associate Degrees

- CAD/CADD Drafting and/or Design Technology
- Drafting and Design Technology
- Surveying Technology/Surveying
- Architectural Drafting and Architectural CAD/CADD

Bachelor's Degrees

- Civil Engineering
- Construction Engineering
- Surveying Engineering
- Drafting and Design Technology

Master's, Doctoral, and Professional Degrees

- Civil Engineering
- Geographic Information Science and Cartography
- Construction Engineering Technology



Example Aligned Occupations

Architectural and Civil Drafters

Median Wage: \$57,424
Annual Openings: 1,366
10-Year Growth: 15%

Architects

Median Wage: \$80,903
Annual Openings: 966
10-Year Growth: 18%

Construction Managers

Median Wage: \$95,072
Annual Openings: 6,325
10-Year Growth: 24%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024



For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>

Architecture and Construction Career Cluster

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.

Architectural Drafting and Design Statewide Program of Study



The Architectural Drafting and 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.

Secondary Courses for High School Credit

Level 2

- Architectural Design I (1 Credit)
IBC: Autodesk Associate (Certified User) Revit Architecture
- Interior Design I (1 Credit)
IBC: Autodesk Associate (Certified User) 3ds Max

Level 3

- Honors Architectural Design II (1 Credit)
- Honors Interior Design II (1 Credit)

Level 4

- Honors Practicum in Architectural Design (2 Credits)
- Honors Extended Practicum in Architectural Design (3 Credits)
- Honors Practicum in Interior Design (2 Credits)
- Honors Extended Practicum in Interior Design (3 Credits)

Other Course Industry-Based Certifications (IBC's)

Autodesk Certified Professional in Auto CAD for Design and Drafting
Autodesk Associate (Certified User) Fusion 360

Pathway to Completer

Level 2	CTA0010/11/12 Architectural Design I (1 Credit) CTA0020/21/22 Interior Design 1 (1 Credit)
Level 3	CTP0013/14 Honors Architectural Design II (2 Credits) CTA0061/62 Honors Interior Design II (2 Credits)
Level 4	CTA0041/42 Honors Practicum in Architectural Design (2 Credits)* CTA0071/72 Honors Practicum in Interior Design (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.

0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	---	---

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study. CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Architectural Drafting and Design Program of Study will fulfill requirements of the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

**DIGITAL
COMMUNICATIONS**

**GRAPHIC
DESIGN AND
INTERACTIVE
MEDIA**



**ARTS, AUDIO/VISUAL
TECHNOLOGY AND
COMMUNICATION**

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

HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/departments/career-technical-education/career-technical-education>

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

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

CCMR Credit: CTE Completer plus earned IBC (Industry-Based Certification) in aligned program of study.





Arts, Audio Visual Technology and Communication Career Cluster

The Arts, Audio Visual Technology and Communication (AAVTC) career cluster focuses on designing, producing, exhibiting, performing, writing, and publishing multimedia content requiring creative aptitude, fluency in computer and technology applications, and proficiency in oral and written communication. This career cluster includes occupations ranging from camera operator, audio and video technician, director, and producer to graphic designer and web and digital interface designer.

Statewide Program of Study: Digital Communications

The Digital Communications program of study focuses on occupational 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. The program of study includes operating machines and equipment such as microphones, sound speakers, video screens, projectors, video monitors, sound and mixing boards, and related electronic equipment to record sound and images.

Aligned Advanced Academic Courses

Dual Credit

Dual credit offerings will vary by Local Education Agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities

- Shadow a sound designer to learn how sound and folly is created for movies or podcasts
- Intern with a technical director at a sports team, recording studio, or radio station
- Shadow a technician on a live news broadcast, concert, or other event

Expanded Learning Opportunities

- Participate in CTSO (Career & Technical Education Student Organization)
- Participate in Student Television Network
- Capture and edit film and audio for a podcast with a local community organization

Aligned Industry-Based Certifications

- Adobe Certified Professional in Digital Video Using Adobe Premiere
- Adobe Certified Professional in Visual Design Using Pro Adobe Photoshop

Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](#).



Example Postsecondary Opportunities

Apprenticeships

- Light Technician

Associate Degrees

- Commercial and Advertising Art
- Animation, Interactive Technology, Video Graphics, and Special Effects

Bachelor's Degrees

- Cinematography and Film/Video Production
- Recording Arts Technology

Master's, Doctoral, and Professional Degrees

- Animation, Interactive Technology, Video Graphics, and Special Effects
- Communications Technology

Additional Stackable IBCs/Licensures

- CompTIA Digital Media and Entertainment Professional Certification (DMEP)



Example Aligned Occupations

Camera Operators, Television, Video, and Film

Median Wage: \$48,422

Annual Openings: 155

10-Year Growth: 20%

Audio and Video Technicians

Median Wage: \$46,319

Annual Openings: 626

10-Year Growth: 30%

Producers and Directors

Median Wage: \$65,029

Annual Openings: 522

10-Year Growth: 12%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.



For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>

Arts, Audio Visual Technology, and Communication Career Cluster

The Arts, Audio Visual Technology, and Communication (AAVTC) career cluster focuses on designing, producing, exhibiting, performing, writing, and publishing multimedia content requiring creative aptitude, fluency in computer and technology applications, and proficiency in oral and written communication. This career cluster includes occupations ranging from camera operator, audio and video technician, director, and producer to graphic designer and web and digital interface designer.

Digital Communications Statewide Program of Study



The Digital Communications program of study focuses on occupational 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. The program of study includes operating machines and equipment such as microphones, sound speakers, video screens, projectors, video monitors, sound and mixing boards, and related electronic equipment to record sound and images.

Secondary Courses for High School Credit

Level 1

- Professional Communications (.5 Credit)

Level 2

- Audio/Video Production I (1 Credit)
- Entrepreneurship I (1 Credit)

Level 3

- Audio/Video Production II + Audio/Video Production II Lab (2 Credits) *IBC: Adobe Certified Professional in Digital Video Using Adobe Premiere Pro*

Level 4

- Honors Practicum in Audio/Video Production (2 Credits)
- Honors Extended Practicum in Audio/Video Production (3 Credits)

Other Course Industry-Based Certifications (IBC's)

Adobe Certified Professional in Visual Design Using Adobe Photoshop

Pathway to Completer

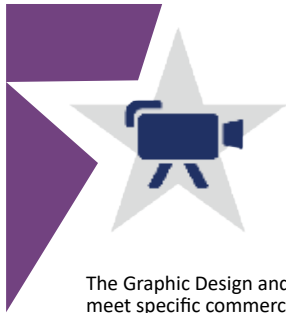
Level 1	CTV0000 Professional Communication (.5 Credit)
Level 2	CTV0001 Audio/Video Production I (1 Credit) CTM0021/2 Entrepreneurship I (1 Credit)
Level 3	CTV0021/22 Audio/Video Production II (2 Credits)
Level 4	CTV0031/32 Honors Practicum in Audio/Video Production (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.
0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	---	---

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study.
CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Digital Communications Program of Study will fulfill requirements of the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.



Arts, Audio Visual Technology and Communication Career Cluster

The Arts, Audio Visual Technology and Communication (AAVTC) career cluster focuses on designing, producing, exhibiting, performing, writing, and publishing multimedia content requiring creative aptitude, fluency in computer and technology applications, and proficiency in oral and written communication. This career cluster includes occupations ranging from camera operator, audio and video technician, director, and producer to graphic designer and web and digital interface designer.

Statewide Program of Study: *Graphic Design and Interactive Media*

The Graphic Design and Interactive Media program of study focuses on occupational and educational opportunities associated with designing or creating graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. The program of study includes designing clothing and accessories, 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.

Aligned Advanced Academic Courses

Dual Credit Dual credit offerings will vary by Local Education Agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this Program of Study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none">Shadow an art director at a branding firm or design agencyIntern in the marketing and communications department of a technology company
Expanded Learning Opportunities	<ul style="list-style-type: none">Participate in CTSO (Career & Technical Education Student Organization)Participate in Student Television NetworkJoin a related co-curricular or extracurricular club such as web development or computer coding

Aligned Industry-Based Certifications

- Adobe Certified Professional in Digital Video Using Adobe Premiere Pro
- Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator
- Adobe Certified Professional in Visual Design Using Adobe Photoshop
- Autodesk Associate (Certified User) 3ds MAX
- Certified Entry-Level Python Programmer (PCEP)
- Certified User: Programmer
- CodeHS Python Level I Certification



Example Postsecondary Opportunities

Associate Degrees

- Graphic Design
- Digital Arts



Bachelor's Degrees

- Web Page, Digital/Multimedia and Information Resources Design
- Design and Visual Communications

Master's, Doctoral, and Professional Degrees

- Game and Interactive Media Design
- Animation, Interactive Technology, Video Graphics, and Special Effects

Additional Stackable IBCs/Licensures

- Certified Textile Designer (CTD)



Example Aligned Occupations

Software Developers

Median Wage: \$111,705
Annual Openings: 15,324
10-Year Growth: 36%

Graphic Designers

Median Wage: \$50,973
Annual Openings: 1,766
10-Year Growth: 10%

Art Directors

Median Wage: \$81,926
Annual Openings: 619
10-Year Growth: 18%

Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](#).

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.



For more information visit:
<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>

Arts, Audio Visual Technology, and Communication Career Cluster

The Arts, Audio Visual Technology, and Communication (AAVTC) career cluster focuses on designing, producing, exhibiting, performing, writing, and publishing multimedia content requiring creative aptitude, fluency in computer and technology applications, and proficiency in oral and written communication. This career cluster includes occupations ranging from camera operator, audio and video technician, director, and producer to graphic designer and web and digital interface designer.

Graphic Design and Interactive Media Statewide Program of Study



The Graphic Design and Interactive Media program of study focuses on occupational and educational opportunities associated with designing or creating graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. The program of study includes 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.

Secondary Courses for High School Credit

Level 1

- Video Game Design (1 Credit)
- Digital Media (1 Credit)

Level 2

- Video Game Programming (1 Credit)
- Graphic Design and Illustration I (1 Credit) *IBC: Adobe Certified Professional in Visual Design Using Adobe Photoshop*
- Animation 1 (1 Credit)
- Commercial Photography I (1 Credit)
- Entrepreneurship I (1 Credit)

Level 3

- Advanced Video Game Programming (1 Credit) *IBC: Certified User-Programmer*
- Graphic Design and Illustration II +Graphic Design and Illustration II Lab (2 Credits)
IBC: Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator

- Animation II + Animation II Lab (2 Credits) *IBC: Autodesk Associate (Certified User) 3ds Max*
- Commercial Photography II (1 Credit)

Level 4

- Honors Practicum in Graphic Design and Illustration (2 Credits)
- Honors Extended Practicum in Graphic Design and Illustration (3 Credits)
- Honors Practicum in Animation (2 Credits)
- Honors Extended Practicum in Animation (3 Credits)
- Honors Practicum in Commercial Photography (2 Credits)
- Honors Extended Practicum in Commercial Photography (3 Credits)
- Honors Independent Study in Technology Applications (1 Credit)

Other Course Industry-Based Certifications (IBC's)

*Certified Entry Level: Python Programmer (PCEP)
CodeHS Python Level 1 Certification
Adobe Certified Professional in Digital Video Using Adobe Premiere Pro*

Pathway to Completer

Level 1	CTV0050 Video Game Design (1 Credit) CTN0021 Digital Media (1 Credit - Home Campus)
Level 2	CTV0153 Video Game Programming (1 Credit) • CTV0081/82 Graphic Design and Illustration (1 Credit) CTV0011 Animation 1 (1 Credit) • CTM0021/22 Entrepreneurship I (1 Credit) CTV0061/62 Commercial Photography 1 (1 Credit - Home Campus (THS))
Level 3	CTV0153 Advanced Video Game Programming (1 Credit) CTV0070 Graphic Design and Illustration II (2 Credits) • CTV0012/13 Animation II (2 Credits) CTV0063/64 Commercial Photography II (1 Credit - Home Campus (THS))
Level 4	CTV0083/84 Honors Practicum in Graphic Design and Illustration (2 Credits)* CTV0044/45 Honors Practicum in Animation (2 Credits)*
	CTV0065/66 Honors Practicum in Commercial Photography (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.

0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study.
CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Graphic Design and Interactive Media Program of Study will fulfill requirements of the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

**ACCOUNTING
AND FINANCIAL
SERVICES**

**BUSINESS
MANAGEMENT**

ENTREPRENEURSHIP

**MARKETING
AND SALES**



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

<https://www.hebisd.edu/departments/career-technical-education/career-technical-education>

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

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

CCMR Credit: CTE Completer plus earned IBC (Industry-Based Certification) in aligned program of study.

Business, Marketing, and Finance Career Cluster

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. This career cluster includes occupations ranging from business owner and entrepreneur, to accountant, retail manager and market analyst.

Statewide Program of Study: **Accounting and Financial Services**

The Accounting and Financial Services program of study focuses on occupational and educational opportunities associated with examining, analyzing, and interpreting financial records. It includes exploration of financial services, preparing financial statements, auditing financial statements prepared by others, and interpreting accounting records. This program of study also introduces students to mathematical modeling tools.

Aligned Advanced Academic Courses

AP or IB	IB Mathematics Analysis and Approaches SL IB Mathematics Analysis and Approaches HL
Dual Credit	Dual credit offerings will vary by Local Educational Agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Intern with a public certified accountant (CPA) at a local business Intern with a city or county auditor's office Shadow a financial advisor as an intern at an investment company
Expanded Learning Opportunities	<ul style="list-style-type: none"> Participate in a CTSO (Career & Technical Education Student Organization) Explore student membership in professional organizations such as AICPA, CIMA, or TXCPA

Aligned Industry-Based Certifications

- Microsoft Office Specialist: Microsoft Excel Expert (Excel 2019)



Example Postsecondary Opportunities

Associate Degrees

- Accounting
- Bookkeeping

Bachelor's Degrees

- Accounting
- Banking and Financial Support Services

Master's, Doctoral, and Professional Degrees

- Business Administration and Management
- Finance

Additional Stackable IBCs/Licensures

- Project Management Professional
- Property Tax Consultants Service Contract Providers



Example Aligned Occupations

Tax Preparers

Median Wage: \$56,956
Annual Openings: 898
10-Year Growth: 14%

Accountants and Auditors

Median Wage: \$78,022
Annual Openings: 12,989
10-Year Growth: 20%

Personal Financial Advisors

Median Wage: \$77,605
Annual Openings: 1,877
10-Year Growth: 21%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>



Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](#).

Business, Marketing, and Finance Career Cluster

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. This career cluster includes occupations ranging from business owner and entrepreneur to accountant, retail manager, and market analyst.

Accounting and Financial Services Statewide Program of Study



The Accounting and Financial Services program of study focuses on occupational and educational opportunities associated with examining, analyzing, and interpreting financial records. It includes exploration of financial services, preparing financial statements, auditing financial statements prepared by others, and interpreting accounting records. This program of study also introduces students to mathematical modeling tools.

Secondary Courses for High School Credit

Level 1

- Principles of Business, Marketing, and Finance (1 Credit)
- Foundations of Business Communications & Technologies (1 Credit)

IBC: Microsoft Office Specialist: Microsoft Excel Expert

Level 2

- Accounting I (1 Credit)
- Entrepreneurship I (1 Credit)

Level 3

- Accounting II (1 Credit)

Level 4

- Honors Practicum in Business Management (2 Credits)
- Honors Extended Practicum in Business Management (3 Credits)

Pathway to Completer

Level 1	CTB0001/02 Principles of Business, Marketing, and Finance (1 Credit) CTB0011/12 Foundations of Business Communications & Technologies (1 Credit)
Level 2	CTF0011/12 Accounting I (1 Credit) CTM0021/22 Entrepreneurship I (1 Credit)
Level 3	CTF0021/22 Accounting II (2 Credits)
Level 4	CTB0071/72 Honors Practicum in Business Management (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.

0.5 Credit = 1 slot

1 credit = 2 slots

2 credits = 4 slots

3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study. CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Accounting and Financial Services Program of Study will fulfill requirements of the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.



Business, Marketing, and Finance Career Cluster

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. This career cluster includes occupations ranging from business owner and entrepreneur to accountant, retail manager, and market analyst.

Statewide Program of Study: **Business Management**

The Business Management program of study focuses on occupational and educational opportunities associated with planning, directing, and coordinating the administrative services and operations of an organization. It includes formulating policies, managing daily operations, and allocating the use of materials and human resources. This program of study also introduces students to mathematical modeling tools and organizational evaluation methods.

Aligned Advanced Academic Courses

AP or IB	AP Microeconomics AP Statistics	IB Economics SL IB Economics HL
Dual Credit	Dual credit offerings will vary by Local Education Agency.	

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none">• Intern at local business in the HR department• Shadow the COO of a local business or chamber of commerce
Expanded Learning Opportunities	<ul style="list-style-type: none">• Participate in a CTSO (Career & Technical Education Student Organization)• Explore student membership in related professional organizations

Aligned Industry-Based Certifications

- Entrepreneurship and Small Business
- Microsoft Office Specialist: Microsoft Word Expert (Word 2019)
- Microsoft Office Specialist: Microsoft Excel Expert (Excel 2019)



Example Postsecondary Opportunities

Associate Degrees

- Business Administration and Management
- Human Resources Management



Bachelor's Degrees

- Business Analytics
- Accounting and Business

Master's, Doctoral, and Professional Degrees

- Business Administration and Management
- Organizational Leadership

Additional Stackable IBCs/Licensures

- Professional Certificate in Team Leadership
- Property Tax Professionals



Example Aligned Occupations

First-Line Supervisors of Administrative Support Workers

Median Wage: \$59,585
Annual Openings: 13,885
10-Year Growth: 9%

Human Resources Specialists

Median Wage: \$61,278
Annual Openings: 6,239
10-Year Growth: 23%

General and Operations Managers

Median Wage: \$83,220
Annual Openings: 25,450
10-Year Growth: 23%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.



For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>

Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](https://hebisd.edu).

Business, Marketing, and Finance Career Cluster

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. This career cluster includes occupations ranging from business owner and entrepreneur to accountant, retail manager, and market analyst.

Business Management Statewide Program of Study



The Business Management program of study focuses on occupational and educational opportunities associated with planning, directing, and coordinating the administrative services and operations of an organization. It includes formulating policies, managing daily operations, and allocating the use of materials and human resources. This program of study also introduces students to mathematical modeling tools and organizational evaluation methods.

Secondary Courses for High School Credit

Level 1

- Principles of Business, Marketing and Finance (1 Credit)
- Foundations of Business Communications & Technologies (1 Credit)

Level 2

- Virtual Business (.5 Credit)
- Honors Business Communications & Technologies (1 Credit)
- IBC: Microsoft Office Specialist: Microsoft Excel Expert
- IBC: Microsoft Office Specialist: Microsoft Word Expert
- Entrepreneurship I (1 Credit)

Level 3

- Business Management (1 Credit)
- IBC: Entrepreneurship and Small Business
- Global Business (.5 Credit)

Level 4

- Honors Practicum in Business Management (2 Credits)
- Honors Extended Practicum in Business Management (3 Credits)

Other Course Industry-Based Certifications (IBC's)

Student Social Media Marketing Certification

Pathway to Completer

Level 1	CTB0001/02 Principles of Business, Marketing, and Finance (1 Credit) CTB0011/12 Foundations of Business Communications & Technologies (1 Credit)
Level 2	CTB0060 Virtual Business (.5 Credit) CTM0021/22 Entrepreneurship I (1 Credit)
	CTB0024/25 Honors Business Communications & Technologies (1 Credit)
Level 3	CTB0311/12 Business Management (1 Credit)
	CTB0041 Global Business (.5 Credit)
Level 4	CTB0071/72 Honors Practicum in Business Management (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.

0.5 Credit = 1 slot

1 credit = 2 slots

2 credits = 4 slots

3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study.
- CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Business Management Program of Study will fulfill requirements of the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

Business, Marketing, and Finance Career Cluster

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. This career cluster includes occupations ranging from business owner and entrepreneur, to accountant, retail manager and market analyst.

Statewide Program of Study: **Entrepreneurship**

The Entrepreneurship program of study focuses on occupational and educational opportunities associated with planning, launching, directing, and coordinating public or private sector ventures. This program of study includes formulating policies, launching businesses or organizations, managing daily operations, analyzing management structures, and planning for the use of materials and human resources.

Aligned Advanced Academic Courses

AP or IB	AP Statistics IB Mathematics: Analysis and Approaches
Dual Credit	Dual credit offerings will vary by Local Education Agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Intern at a local start-up or a business incubator Participate in the development and launch of a school-based enterprise
Expanded Learning Opportunities	<ul style="list-style-type: none"> Job shadow an entrepreneur Participate in a CTSO (Career & Technical Education Student Organization)

Aligned Industry-Based Certifications

- Entrepreneurship and Small Business
- Student Social Media Marketing Certification



Example Postsecondary Opportunities

Associate Degrees

- Operations Management and Supervision
- Organizational Leadership

Bachelor's Degrees

- Business Administration and Management
- Public Administration

Master's, Doctoral, and Professional Degrees

- Business Administration
- Public Administration

Additional Stackable IBCs/Licensures

- Salesforce
- Service Contract Providers



Example Aligned Occupations

General and Operations Managers

Median Wage: \$83,220
Annual Openings: 25,450
10-Year Growth: 23%

Management Analysts

Median Wage: \$93,983
Annual Openings: 6,030
10-Year Growth: 25%

Chief Executives

Median Wage: \$163,567
Annual Openings: 648
10-Year Growth: 3%

Entrepreneurship

Non-Discrimination Statement: Hurst-Euless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](https://www.hebisd.edu/hebsite).



Business, Marketing, and Finance Career Cluster

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. This career cluster includes occupations ranging from business owner and entrepreneur to accountant, retail manager, and market analyst.

Entrepreneurship Statewide Program of Study



The Entrepreneurship program of study focuses on occupational and educational opportunities associated with planning, launching, directing, and coordinating public or private sector ventures. This program of study includes formulating policies, launching businesses or organizations, managing daily operations, analyzing management structures, and planning for the use of materials and human resources.

Secondary Courses for High School Credit

Level 1

- Principles of Business, Marketing, and Finance (1 Credit)
- Foundations of Business Communications & Technologies (1 Credit)

Level 2

- Entrepreneurship I (1 Credit)
- IBC: Entrepreneurship and Small Business*

Level 3

- Entrepreneurship II (1 Credit) (Available 2026-2027)

Level 4

- Honors Practicum in Business Management (2 Credits)
- Honors Extended Practicum in Business Management (3 Credits)
- Honors Practicum in Marketing (2 Credits)
- Honors Extended Practicum in Marketing (3 Credits)
- Honors Practicum in Entrepreneurship (2 Credits) (Available 2026-2027)
- Honors Extended Practicum in Entrepreneurship (3 Credits) (Available 2026-2027)

Other Course Industry-Based Certifications (IBC's)

Student Social Media Marketing Certification

Pathway to Completer

Level 1	CTB0001/02 Principles of Business, Marketing, and Finance (1 Credit) CTB0011/12 Foundations of Business Communications & Technologies (1 Credit)
Level 2	CTM0021/22 Entrepreneurship I (1 Credit)
Level 3	CTM0031/32 Entrepreneurship II (1 Credit)
Level 4	CTB0071/72 Honors Practicum in Business Management (2 Credits)*
	CTM0081/82 Honors Practicum in Marketing (2 Credits)* Honors Practicum in Entrepreneurship (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.

0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	---	---

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study.
- CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Entrepreneurship Program of Study will fulfill requirements of the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

Business, Marketing, and Finance Career Cluster

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. This career cluster includes occupations ranging from business owner and entrepreneur to accountant, retail manager, and market analyst.

Statewide Program of Study: **Marketing and Sales**

The Marketing and Sales program of study focuses on occupational and educational opportunities associated with collecting information to estimate potential sales of a product or service and create campaigns to market or distribute goods and services. It includes applying data related to customer demographics, preferences, needs, and buying habits.



Secondary Courses for High School Credit

- | | |
|----------------|--|
| Level 1 | <ul style="list-style-type: none"> Principles of Business, Marketing, and Finance Digital Media |
| Level 2 | <ul style="list-style-type: none"> Sports and Entertainment Marketing Virtual Business Entrepreneurship I |
| Level 3 | <ul style="list-style-type: none"> Advertising Social Media Marketing |
| Level 4 | <ul style="list-style-type: none"> Honors Practicum in Marketing + Honors Extended Practicum in Marketing |

Aligned Advanced Academic Courses

AP or IB	AP Statistics
Dual Credit	Dual credit offerings will vary by Local Education Agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Intern at a marketing and advertising company Job shadow a pharmaceutical sales representative Intern at a local retail company
Expanded Learning Opportunities	<ul style="list-style-type: none"> Job shadow an account representative at a marketing firm Participate in a CTSO (Career & Technical Education Student Organization)

Aligned Industry-Based Certifications

- Entrepreneurship and Small Business
- Student Social Media Marketing Certification

Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](#).



Successful completion of the Marketing and Sales program of study will fulfill requirements of the Business and Industry endorsement.



Example Postsecondary Opportunities

Associate Degrees

- Marketing/Marketing Management
- Retail Management

Bachelor's Degrees

- Business Administration
- Marketing/Marketing Management
- Fashion Merchandising

Master's, Doctoral, and Professional Degrees

- Business Administration
- Applied Economics
- Business Analytics

Additional Stackable IBCs/Licensures

- Salesforce
- Service Contract Providers



Example Aligned Occupations

Retail Salespersons

Median Wage: \$28,356
Annual Openings: 56,132
10-Year Growth: 15%

Market Research Analysts

Median Wage: \$60,926
Annual Openings: 5,688
10-Year Growth: 35%

Sales Managers

Median Wage: \$123,729
Annual Openings: 3,368
10-Year Growth: 21%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>

Business, Marketing, and Finance Career Cluster

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. This career cluster includes occupations ranging from business owner and entrepreneur to accountant, retail manager, and market analyst.

Marketing and Sales Statewide Program of Study



The Marketing and Sales program of study focuses on occupational and educational opportunities associated with collecting information to estimate potential sales of a product or service and create campaigns to market or distribute goods and services. It includes applying data related to customer demographics, preferences, needs, and buying habits.

Secondary Courses for High School Credit

Level 1

- Principles of Business, Marketing and Finance (1 Credit)
- Digital Media (1 Credit)

Level 2

- Sports and Entertainment Marketing (.5 Credit)
IBC: Student Social Media Marketing Certification
- Virtual Business (.5 Credit)
IBC: Entrepreneurship/Small Business
- Entrepreneurship I (1 Credit)

Level 3

- Advertising (.5 Credit)
- Social Media Marketing (.5 Credit)

Level 4

- Honors Practicum in Marketing (2 Credits)
- Honors Extended Practicum in Marketing (3 Credits)

Pathway to Completer

Level 1	CTB0001/02 Principles of Business, Marketing, and Finance (1 Credit) CTN0021/22 Digital Media (1 Credit)
Level 2	CTM0040 Sports and Entertainment Marketing (.5 Credit) CTB0060 Virtual Business (.5 Credit)
	CTM0021/22 Entrepreneurship I (1 Credit)
Level 3	CTM0010 Advertising (.5 Credit) CTM0050 Social Media Marketing (.5 Credit)
Level 4	CTM0081/82 Honors Practicum in Marketing (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.
0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study. CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Marketing and Sales Program of Study will fulfill requirements of the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

TEACHING AND TRAINING



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

HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/departments/career-technical-education/career-technical-education>

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

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

CCMR Credit: CTE Completer plus earned IBC (Industry-Based Certification) in aligned program of study.



Education and Training Career Cluster

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. This Career Cluster includes a diverse spectrum of occupations, ranging from teaching assistant, classroom teacher, to school administrator.

Statewide Program of Study: *Teaching and Training*

The Teaching and Training program of study focuses on occupational and educational opportunities associated with careers related to teaching, instructing, and creating instructional and enrichment materials. The program of study includes recognizing a variety of student groups and their corresponding needs, identifying processes for developing curriculum and coordinating educational content, and coaching groups and individuals.

Aligned Advanced Academic Courses

Dual Credit

Dual credit offerings will vary by Local Educational Agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities

- Serve as a camp counselor to learn mentoring, facilitation, and lesson planning skills
- Volunteer in a tutoring center to learn lesson planning and skills assessment

Expanded Learning Opportunities

- Participate in a CTSO (Career & Technical Education Student Organization)

Aligned Industry-Based Certifications

- Educational Aide I

Non-Discrimination Statement: Hurst-Euless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](#).



Successful completion of the Teaching and Training Program of Study will fulfill requirements of the Public Service endorsement.



Example Postsecondary Opportunities

Apprenticeships

- Teacher Apprentice

Associate Degrees

- Adult and Continuing Education and Teaching
- Educational/Instructional Technology

Bachelor's Degrees

- Elementary Education and Teaching
- Secondary Education and Teaching

Master's, Doctoral, and Professional Degrees

- Educational Leadership and Administration, General
- Curriculum and Instruction

Additional Stackable IBCs/Licensures

- Generalist, Grades EC-4



Example Aligned Occupations

Teaching Assistants, Except Postsecondary

Median Wage: \$28,066
Annual Openings: 10,000
10-Year Growth: 15%

Secondary School Teachers, Except Special Education and CTE

Median Wage: \$61,035
Annual Openings: 8,288
10-Year Growth: 14%

Education Administrators, Kindergarten through Secondary

Median Wage: \$81,976
Annual Openings: 2676
10-Year Growth: 14%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024



For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>

Education and Training Career Cluster Career Cluster

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. This career cluster includes a diverse spectrum of occupations, ranging from teaching assistant, classroom teacher, to school administrator.

Teaching and Training Statewide Program of Study



The Teaching and Training program of study focuses on occupational and educational opportunities associated with careers related to teaching, instructing, and creating instructional and enrichment materials. The program of study includes recognizing a variety of student groups and their corresponding needs, identifying processes for developing curriculum and coordinating educational content, and coaching groups and individuals.

Secondary Courses for High School Credit

Level 1

- Principles of Human Services (1 Credit)

Level 2

- Human Growth and Development (1 Credit)
- Child Development (1 Credit)

Level 3

- Instructional Practices (2 Credits)
IBC: Educational Aide I

Level 4

- Honors Practicum in Education and Training (2 Credits)
- Honors Extended Practicum in Education and Training (3 Credits)

Pathway to Completer

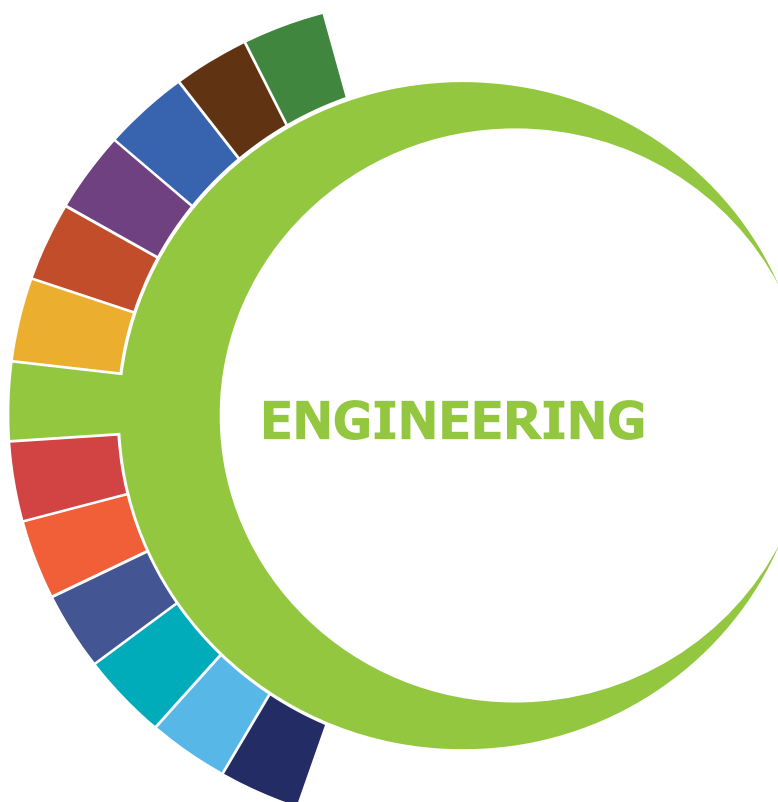
Level 1	CTU0900/01/02 Principles of Human Services (1 Credit)
Level 2	CTE0001/02 Human Growth and Development (1 Credit)
	CTU0030/31/32 Child Development (1 Credit)
Level 3	CTE0011/12 Instructional Practices (2 Credits)
Level 4	CTE0021/22 Honors Practicum in Education and Training (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.
0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	---	---

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study. CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Teaching and Training Program of Study will fulfill requirements of the Public Service endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.



**CIVIL
ENGINEERING**

**DRONE (UNMANNED
VEHICLE)**

**ELECTRICAL
ENGINEERING**

**ENGINEERING
FOUNDATIONS**

**MECHANICAL &
AEROSPACE
ENGINEERING**

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

HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/departments/career-technical-education/career-technical-education>

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

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

CCMR Credit: CTE Completer plus earned IBC (Industry-Based Certification) in aligned program of study.



Engineering Career Cluster

The Engineering career cluster focuses on planning, designing, testing, building, and maintaining of machines, structures, materials, systems, and processes using empirical evidence and science, technology, and math principles. This career cluster includes occupations ranging from mechanical engineer and drafter to electrical engineer and to mapping technician.

Statewide Program of Study: **Civil Engineering**

The Civil Engineering program of study focuses on occupational and educational opportunities associated with the design, build, operation, and maintenance of infrastructure related to roads, buildings, airports, bridges, and transportation systems. This program of study includes exploration of infrastructure, site inspections, feasibility assessments and scope, and cost estimates. It addresses applying scientific, mathematical, and empirical evidence to solve problems in construction, infrastructure, and the environment.

Aligned Advanced Academic Courses

AP or IB	AP Calculus AB	AP Physics 1	AP Physics 2
	AP Calculus BC	AP Statistics	IB Physics SL IB Physics HL
Dual Credit	Dual credit offerings vary based by Local Education Agency.		

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Intern at a local infrastructure company and use computer-aided design (CAD) Shadow a civil engineering professional
Expanded Learning Opportunities	<ul style="list-style-type: none"> Tour a construction site Participate in a CTSO (Career & Technical Education Student Organization) Join a local engineering association and attend meetings

Aligned Industry-Based Certifications

- Autodesk Associate (Certified User) 3ds MAX
- Autodesk Associate (Certified User) AutoCAD
- Autodesk Associate (Certified User) Fusion 360
- Autodesk Associate (Certified User) Inventor for Mechanical Design
- Autodesk Associate (Certified User) Revit Architecture



Example Postsecondary Opportunities

Apprenticeships

- Surveyor Assistant Instrument Apprentice

Associate Degrees

- Civil Engineering, General
- Surveying Technology/Surveying

Bachelor's Degrees

- Civil Engineering, General
- Construction Engineering

Master's, Doctoral, and Professional Degrees

- Civil Engineering, General
- Surveying Engineering

Additional Stackable IBCs/Licensures

- Professional Civil Engineer (CE License)
- Civil Engineering Certification ASCE



Example Aligned Occupations

Surveying and Mapping Technicians

Median Wage: \$45,804
Annual Openings: 1,487
10-Year Growth: 18%

Architectural and Civil Drafters

Median Wage: \$57,424
Annual Openings: 1,366
10-Year Growth: 15%

Civil Engineers

Median Wage: \$80,980
Annual Openings: 2,823
10-Year Growth: 22%

Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](https://www.hebisd.edu/website).



Engineering Career Cluster

The Engineering career cluster focuses on planning, designing, testing, building, and maintaining of machines, structures, materials, systems, and processes using empirical evidence and science, technology, and math principles. This career cluster includes occupations ranging from mechanical engineer and drafter to electrical engineer and to mapping technician.

Civil Engineering Statewide Program of Study



The Civil Engineering program of study focuses on occupational and educational opportunities associated with the design, build, operation, and maintenance of infrastructure related to roads, buildings, airports, bridges, and transportation systems. This program of study includes exploration of infrastructure, site inspections, feasibility assessments and scope, and cost estimates. It addresses applying scientific, mathematical, and empirical evidence to solve problems in construction, infrastructure, and the environment.

Secondary Courses for High School Credit

Level 1

- *Principles of Applied Engineering (1 Credit)

Level 3

- *Engineering Design and Presentation I (1 Credit)
IBC: Autodesk Certified Professional in Inventor for Mechanical Design
IBC: Autodesk Associate (Certified User) Fusion 360
- Engineering Mathematics (1 Credit)

*An Honors (Tier II) option is available for this course

Level 4

- Honors Engineering Design and Presentation II (2 Credits)
- Honors Practicum in Science, Technology, Engineering and Mathematics (2 Credits)
- Honors Extended Practicum in Science, Technology, Engineering and Mathematics (3 Credits)

Other Course Industry-Based Certifications (IBC's)

Autodesk Associate (Certified User) 3ds Max
Autodesk Revit for Architectural Design
Autodesk Associate (Certified User) AutoCAD

Pathway to Completer

Level 1	CTS0911/12 Principles of Applied Engineering (1 Credit) CTP0821/22 Honors Principles of Applied Engineering (1 Credit) (CJH only)
Level 3	CTS0020/21/22 Engineering Design and Presentation (1 Credit) CTS0041/42 Engineering Mathematics (1 Credit)
Level 4	CTS0034/35 Honors Engineering Design and Presentation II (2 Credits) CTP0051/52 Honors Practicum in Science, Technology, Engineering and Mathematics (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.

0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	---	---

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study. CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Civil Engineering Program of Study will fulfill requirements of the STEM endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

Engineering Career Cluster

The Engineering career cluster focuses on planning, designing, testing, building, and maintaining of machines, structures, materials, systems, and processes using empirical evidence and science, technology, and math principles. This career cluster includes occupations ranging from mechanical engineer and drafter to electrical engineer and to mapping technician.

Regional Program of Study: **Drone (Unmanned Vehicle)**

The Drone (Unmanned Vehicle) regional program of study focuses on the occupational and educational opportunities associated with operating or designing an unmanned aircraft using a ground-based controller. This program of study includes understanding and designing systems of communications between the controller and the aircraft to ensure compliance with federal aviation safety regulations.

Aligned Advanced Academic Courses

Dual Credit Dual credit offerings will vary by Local Education Agency.

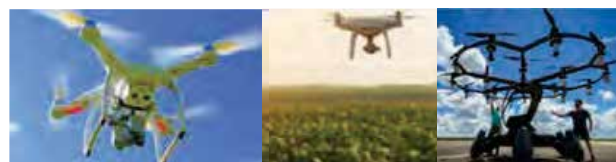
Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this Program of Study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Intern with a public service, engineering, construction, or transportation firm Practice drone operations with an industry professional at a work site
Expanded Learning Opportunities	<ul style="list-style-type: none"> Participate in an aerial drone competition Participate in a CTSO (Career & Technical Education Student Organization)

Aligned Industry-Based Certifications

- FAA Part 107 Remote Drone Pilot



Example Postsecondary Opportunities

Associate Degrees

- Airline/Commercial/Professional Pilot and Flight Crew
- Manufacturing Engineering Technology/Technician



Bachelor's Degrees

- Aviation Science
- Aeronautical/Aerospace Engineering Technology

Master's, Doctoral, and Professional Degrees

- Aerospace, Aeronautical, and Astronautical/Space Engineering, General

Additional Stackable IBCs/Licensures

- Aerial Mapping and 3D Modeling Certification



Example Aligned Occupations

Aerospace Engineering and Operations Technicians

Median Wage: \$48,204
Annual Openings: 192
10-Year Growth: 21%

Avionics Technicians

Median Wage: \$72,461
Annual Openings: 255
10-Year Growth: 16%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.



Engineering Career Cluster

The Engineering career cluster focuses on planning, designing, testing, building, and maintaining of machines, structures, materials, systems, and processes using empirical evidence and science, technology, and math principles. This career cluster includes occupations ranging from mechanical engineer and drafter to electrical engineer and to mapping technician.

Drone (Unmanned Vehicle) Statewide Program of Study



The Drone (Unmanned Vehicle) regional program of study focuses on the occupational and educational opportunities associated with operating or designing an unmanned aircraft using a ground-based controller. This program of study includes understanding and designing systems of communications between the controller and the aircraft to ensure compliance with federal aviation safety regulations.

Secondary Courses for High School Credit

Level 2

- Honors Introduction to Unmanned Aerial Vehicles (UAV) (1 Credit)
IBC: FAA Part 107 Remote Drone Pilot
- *Robotics I (1 Credit)

Level 3

- *Robotics II (1 Credit)
- Engineering Science (1 Credit)

Level 4

- Honors Practicum in Manufacturing (2 Credits)
- Honors Extended Practicum in Manufacturing (3 Credits)
- Honors Scientific Research and Design (Honors Aerospace I) (1 Credit)

**An Honors (Tier II) option is available for this course*

Pathway to Completer

Level 2	CTP0100/01/02 Honors Introduction to Unmanned Aerial Vehicles (UAV) (1 Credit) CTS0060/61/62 *Robotics I (1 Credit) (available at CJH)
Level 3	CTS0070 *Robotics II (1 Credit) SCR0038/39 Engineering Science (1 Credit)
Level 4	SCP0071/72 Honors Scientific Research and Design (Honors Aerospace I) (1 Credit) CTP0111/12 Honors Practicum in Manufacturing (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.

0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	---	---

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study. CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Drone (Unmanned Vehicle) Program of Study will fulfill requirements of the STEM endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

Engineering Career Cluster

The Engineering career cluster focuses on planning, designing, testing, building, and maintaining of machines, structures, materials, systems, and processes using empirical evidence and science, technology, and math principles. This career cluster includes occupations ranging from mechanical engineer and drafter to electrical engineer and to mapping technician.

Statewide Program of Study: *Electrical Engineering*

The Electrical Engineering Program of Study focuses on occupational and educational opportunities associated with the design, development, testing, and supervision of electrical equipment and systems. Students will design, test, and evaluate projects related to electrical motors, radar, navigation systems, and communication systems. This program study includes applying scientific, mathematical, and empirical evidence to solve problems in electrical systems associated with instruments, facilities, components, and equipment.

Aligned Advanced Academic Courses

AP or IB	AP Calculus AB	AP Physics 1	IB Physics SL
	AP Calculus BC	AP Physics 2	IB Physics HL
Dual Credit	AP Computer Science Principles	AP Statistics	IB Computer Science SL
			1B Computer Science HL
Dual credit offerings will vary by Local Education Agency.			

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Intern for a construction company and use computer-aided design (CAD) to draw electrical blueprints Shadow an electrical engineering professional
Expanded Learning Opportunities	<ul style="list-style-type: none"> Tour a telecommunications site Participate in a CTSO (Career & Technical Education Student Organization) Join a local engineering association and attend meetings

Aligned Industry-Based Certifications

- FANUC Robot Operator 1
- Autodesk Associate (Certified User) AutoCAD
- Autodesk Associate (Certified User) Fusion 360
- Autodesk Associate (Certified User) Inventor for Mechanical Design
- Autodesk Associate (Certified User) Revit Architecture

Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](https://www.hebisd.edu/website).



Example Postsecondary Opportunities

Apprenticeship

- Electrical Technician Apprenticeship



Associate Degrees

- Electrical, Electronic, and Communications Engineering Technology/Technician
- Electromechanical/Electromechanical Engineering Technology/Technician

Bachelor's Degrees

- Electrical and Electronics Engineering
- Systems Engineering

Master's, Doctoral, and Professional Degrees

- Electrical and Electronics Engineering
- Bioengineering and Biomedical Engineering

Additional Stackable IBCs/Licensures

- Professional Electrical Engineer (EE License)
- Electrical Apprenticeship Certificate Level 1 (520)



Example Aligned Occupations

Electrical and Electronic Engineering Technologists and Technicians

Median Wage: \$62,968
Annual Openings: 1,156
10-Year Growth: 14%

Electrical and Electronics Drafters

Median Wage: \$58,987
Annual Openings: 406
10-Year Growth: 16%

Electrical Engineers

Median Wage: \$102,534
Annual Openings: 1,271
10-Year Growth: 21%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.



For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>

Engineering Career Cluster

The Engineering career cluster focuses on planning, designing, testing, building, and maintaining of machines, structures, materials, systems, and processes using empirical evidence and science, technology, and math principles. This career cluster includes occupations ranging from mechanical engineer and drafter to electrical engineer and to mapping technician.

Electrical Engineering Statewide Program of Study



The Electrical Engineering program of study focuses on occupational and educational opportunities associated with the design, development, testing, and supervision of electrical equipment and systems. Students will design, test, and evaluate projects related to electrical motors, radar, navigation systems, and communication systems. This program of study includes applying scientific, mathematical, and empirical evidence to solve problems in electrical systems associated with instruments, facilities, components, and equipment.

Secondary Courses for High School Credit

Level 1

- Principles of Applied Engineering (1 Credit)
(Honors option at CJH only 8th grade)

Level 2

- * Robotics I (1 Credit)

Level 3

- *Robotics II (1 Credit)
- *Engineering Design and Presentation I (1 Credit)
IBC: Autodesk Certified Professional in Inventor for Mechanical Design
IBC: Autodesk Associate (Certified User) Fusion 360
- Engineering Math (1 Credit)
- Engineering Science (1 Credit)

Level 4

- Honors Practicum in Science, Technology, Engineering, and Math (2 Credits)
- Honors Extended Practicum in Science, Technology, Engineering, and Math (3 Credits)
IBC: FANUC Robot Operator

Other Course Industry-Based Certifications (IBC's)

Autodesk Certified User Revit
Autodesk Associate (Certified User) AutoCAD

**An Honors (Tier II) option is available for this course.*

Pathway to Completer

Level 1	CTS0911/12 Principles of Applied Engineering (1 Credit)
Level 2	CTS0060/61/62 *Robotics I (1 Credit) (Available at CJH)
Level 3	CTS0070 *Robotics II (1 Credit) CTS0020/21/22 Engineering Design and Presentation (1 Credit) CTS0041/42 Engineering Math (1 Credit) SCR0038/39 Engineering Science (1 Credit)
Level 4	CTP0051/52 Honors Practicum in Science, Technology, Engineering, and Math (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.
0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study.
CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Electrical Engineering Program of Study will fulfill requirements of the STEM endorsement if the math and science requirements are met or the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

Engineering Career Cluster

The Engineering career cluster focuses on planning, designing, testing, building, and maintaining of machines, structures, materials, systems, and processes using empirical evidence and science, technology, and math principles. This career cluster includes occupations ranging from mechanical engineer and drafter to electrical engineer and to mapping technician.

Statewide Program of Study: *Engineering Foundations*

The Engineering Foundations program of study focuses on occupational and educational opportunities associated with a wide range of skills applied in the Engineering industry. Students will design, test, and evaluate projects related to engines, machines, and structures. This program of study includes applying scientific, mathematical, and empirical evidence to solve problems through innovation, design, construction, operation, and maintenance of different engineering systems.

Aligned Advanced Academic Courses

AP or IB	AP Calculus AB AP Computer Science A AP Physics I	AP Physics 2 AP Statistics IB Physics SL	IB Physics HL IB Computer Science SL IB Computer Science HL
Dual Credit	Dual credit offerings will vary by Local Education Agency.		

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Intern at an engineering, robotics, or aerospace company Visit an engineering firm and shadow multiple types of engineers
Expanded Learning Opportunities	<ul style="list-style-type: none"> Participate in a CTSO (Career & Technical Education Student Organization) Join a local engineering association and attend meetings.

Aligned Industry-Based Certificate

- Autodesk Associate (Certified User) AutoCAD
- Autodesk Associate (Certified User) Fusion 360
- Autodesk Associate (Certified User) Inventor for Mechanical Design
- Autodesk Associate (Certified User) Revit Architecture
- FANUC Robot Operator 1



Example Postsecondary Opportunities

Apprenticeships

- Industrial Engineering Technician Apprenticeship

Associate Degrees

- Manufacturing Engineering Technology/Technician
- Robotics Technology/Technician

Bachelor's Degrees

- Electrical and Electronics Engineering
- Engineering, General

Master's, Doctoral, and Professional Degrees

- Electrical and Electronics Engineering
- Engineering, General

Additional Stackable IBCs/Licensures

- Professional Engineer (PE License)
- Engineer in Training Certification (EIT)



Example Aligned Occupations

Civil Engineering Technologists and Technicians

Median Wage: \$61,138
Annual Openings: 765
10-Year Growth: 11%

Aerospace Engineers

Median Wage: \$115,694
Annual Openings: 483
10-Year Growth: 18%

Mechanical Engineers

Median Wage: \$99,937
Annual Openings: 1,755
10-Year Growth: 19%

Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](https://www.hebisd.edu/website).

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.



For more information visit:
<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>

Engineering Career Cluster

The Engineering career cluster focuses on planning, designing, testing, building, and maintaining of machines, structures, materials, systems, and processes using empirical evidence and science, technology, and math principles. This career cluster includes occupations ranging from mechanical engineer and drafter to electrical engineer and to mapping technician.

Engineering Foundations Statewide Program of Study



The Engineering Foundations program of study focuses on occupational and educational opportunities associated with a wide range of skills applied in the Engineering industry. Students will design, test, and evaluate projects related to engines, machines, and structures. This program of study V applying scientific, mathematical, and empirical evidence to solve problems through innovation, design, construction, operation, and maintenance of different engineering systems.

Secondary Courses for High School Credit

Level 1

- *Principles of Applied Engineering (Honors option at CJH only 8th grade) (1 Credit)

Level 2

- *Robotics I (1 Credit)

Level 3

- *Robotics II (1 Credit)
- *Engineering Design and Presentation I (1 Credit)
IBC: Autodesk Certified Professional in Inventor for Mechanical Design
IBC: Autodesk Associate (Certified User) Fusion 360
- Engineering Math (1 Credit)
- Engineering Science (1 Credit)

Level 4

- Honors Engineering Design and Presentation II (2 Credits)
- Honors Practicum in Science, Technology, Engineering, and Math (2 Credits)
- Honors Extended Practicum in Science, Technology, Engineering, and Math (3 Credits)
IBC: FANUC Robot Operator 1

Other Course Industry-Based Certifications (IBC's)

Autodesk Revit
Autodesk Associate (Certified User) AutoCAD

**An Honors (Tier II) option is available for this course.*

Pathway to Completer

Level 1	CTS0911/12 *Principles of Applied Engineering (1 Credit)
Level 2	CTS0060/61/62 *Robotics I (1 Credit) (Available at CJH)
Level 3	CTS0070 *Robotics II (1 Credit) CTS0021/22 *Engineering Design and Presentation I (1 Credit) CTS0041/42 Engineering Math (1 Credit) SCR0038/39 Engineering Science (1 Credit)
Level 4	CTS0034/35 Honors Engineering Design and Presentation II (2 Credits) CTP0051/52 Honors Practicum in Science, Technology, Engineering, and Math (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.
0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study. CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Engineering Foundations Program of Study will fulfill requirements of the STEM endorsement if the math and science requirements are met or the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

Engineering Career Cluster

The Engineering career cluster focuses on planning, designing, testing, building, and maintaining of machines, structures, materials, systems, and processes using empirical evidence and science, technology, and math principles. This career cluster includes occupations ranging from mechanical engineer and drafter to electrical engineer and to mapping technician.

Statewide Program of Study: *Mechanical and Aerospace Engineering*

The Mechanical and Aerospace Engineering program of study focuses on occupational and educational opportunities associated with the design, development, maintenance, and testing of engines, machines, and structures related to aircraft and spacecraft. Students will design, test, and evaluate projects related to aerodynamics, structural, and mechanical design. This program study includes applying scientific, mathematical, and empirical evidence to solve problems related to navigation, mechanics, robotics, propulsion, and combustion.

Aligned Advanced Academic Courses

AP or IB	AP Calculus AB AP Calculus BC AP Physics I	AP Physics 2 AP Statistics	IB Physics SL IB Physics HL
Dual Credit	Dual credit offerings will vary by Local Education Agency.		

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> • Intern at an aviation or aerospace company • Shadow a mechanical engineer to understand design and testing processes • Complete a project to test and evaluate a new product design for a local company
Expanded Learning Opportunities	<ul style="list-style-type: none"> • Tour an aerospace facility • Participate in a CTSO (Career & Technical Education Student Organization)

Aligned Industry-Based Certifications

- Autodesk Associate (Certified User) AutoCAD
- Autodesk Associate (Certified User) Inventor
- Autodesk Associate (Certified User) Fusion 360 for Mechanical Design
- Autodesk Associate (Certified User) Revit Architecture



Example Postsecondary Opportunities

Apprenticeships

- Mechanical Engineering Technician Apprenticeship

Associate Degrees

- Mechanical Engineering
- Aeronautics/Aviation/Aerospace Science and Technology, General

Bachelor's Degrees

- Aeronautical/Aerospace Engineering Technology/Technician
- Aeronautics/Aviation/Aerospace Science and Technology, General

Master's, Doctoral, and Professional Degrees

- Electrical and Electronics Engineering
- Aerospace, Aeronautical, and Astronautical/Space Engineering, General

Additional Stackable IBCs/Licensures

- Professional Engineer (PE License)
- Aerospace Engineering Certification



Example Aligned Occupations

Aerospace Engineering and Operations Technologists and Technicians

Median Wage: \$48,204
Annual Openings: 192
10-Year Growth: 21%

Mechanical Engineers

Median Wage: \$99,937
Annual Openings: 1,755
10-Year Growth: 18%

Aerospace Engineers

Median Wage: \$115,694
Annual Openings: 483
10-Year Growth: 18%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.



For more information visit:
<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>

Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](#).

Engineering Career Cluster

The Engineering career cluster focuses on planning, designing, testing, building, and maintaining of machines, structures, materials, systems, and processes using empirical evidence and science, technology, and math principles. This career cluster includes occupations ranging from mechanical engineer and drafter to electrical engineer and to mapping technician.

Mechanical and Aerospace Engineering Statewide Program of Study



The Mechanical and Aerospace Engineering program of study focuses on occupational and educational opportunities associated with the design, development, maintenance, and testing of engines, machines, and structures related to aircraft and spacecraft. Students will design, test, and evaluate projects related to aerodynamics, structural, and mechanical design. This program of study includes applying scientific, mathematical, and empirical evidence to solve problems related to navigation, mechanics, robotics, propulsion, and combustion.

Secondary Courses for High School Credit

Level 1

- *Principles of Applied Engineering (Honors option at CJH only 8th grade) (1 Credit)

Level 3

- *Engineering Design and Presentation I (1 Credit)
IBC: Autodesk Certified Professional in Inventor for Mechanical Design
IBC: Autodesk Associate (Certified User) Fusion 360
- Engineering Math (1 Credit)
- Engineering Science (1 Credit)

Level 4

- Engineering Design and Problem Solving (Honors Aerospace II) (1 Credit)
IBC: Autodesk Associate (Certified User) Auto CAD
- Honors Practicum in Science, Technology, Engineering, and Math (2 Credits)
- Honors Extended Practicum in Science, Technology, Engineering, and Math (3 Credits)

Other Course Industry-Based Certifications (IBC's)

Autodesk Associate (Certified User) Revit

**An Honors (Tier II) option is available for this course.*

Pathway to Completer

Level 1	CTS0911/12 *Principles of Applied Engineering (1 Credit)
Level 3	CTS0020/21/22 *Engineering Design and Presentation I (1 Credit) CTS0041/42 Engineering Math (1 Credit) SCR0038/39 Engineering Science (1 Credit)
Level 4	SCP0073 Engineering Design and Problem Solving (Honors Aerospace II) (1 Credit) CTP0051/52 Honors Practicum in Science, Technology, Engineering, and Math (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.
0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study. CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Mechanical and Aerospace Engineering Program of Study will fulfill requirements of the STEM endorsement if the math and science requirements are met or the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

**DIAGNOSTIC &
THERAPEUTIC
SERVICES
*(FIRE ACADEMY)**

**EXERCISE
SCIENCE,
WELLNESS &
RESTORATION**

**NURSING
SCIENCE**



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

HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/departments/career-technical-education/career-technical-education>

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

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

CCMR Credit: CTE Completer plus earned IBC (Industry-Based Certification) in aligned program of study.

Health Science Career Cluster

The Health Science career cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. This career cluster includes occupations ranging from medical assistant, registered nurse, and physical therapist to forensic science technician and athletic trainer.

Statewide Program of Study: *Diagnostic and Therapeutic Services*

The Diagnostic and Therapeutic Services program of study focuses on occupational and educational opportunities associated with diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study includes exploration of patient treatment and rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.

Aligned Advanced Academic Courses

AP or IB	AP Biology IB Biology SL IB Biology HL	AP Chemistry IB Chemistry SL IB Chemistry HL
Dual Credit	Dual credit offerings will vary by Local Education Agency.	

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Intern with a medical assistant at a community clinic, hospital, assisted living or long-term care facility Participate in job shadowing experiences such as Emergency Medical Services (EMS) ride along, hospital/clinical job shadow
Expanded Learning Opportunities	<ul style="list-style-type: none"> Participate in a CTSO (Career & Technical Education Student Organization) Participate in Advanced Medical Ambulance Bus (AMBUS) event or Community Emergency Response Team (CERT) event

Aligned Industry-Based Certifications

- Certified EKG Technician
- Certified Patient Care Technician (CPCT)
- Emergency Medical Technician-Basic
- Pharmacy Technician
- Phlebotomy Technician



Example Postsecondary Opportunities

Apprenticeships

- Medical Assistant

Associate Degrees

- Emergency Medical Technology
- Radiologic Technology/Science

Bachelor's Degrees

- Emergency Medical Technology
- Medical Insurance Coding

Master's, Doctoral, and Professional Degrees

- Medicine
- Occupational Therapy

Additional Stackable IBCs/Licensures

- Registered Diagnostic Medical Sonographer



Example Aligned Occupations

Medical Assistants

Median Wage: \$36,834
Annual Openings: 11,638
10-Year Growth: 29%

Dental Hygienists

Median Wage: \$79,663
Annual Openings: 1,352
10-Year Growth: 32%

Physician Assistants

Median Wage: \$127,332
Annual Openings: 974
10-Year Growth: 41%

Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](#).



Health Science Career Cluster

The Health Science career cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. This career cluster includes occupations ranging from medical assistant, registered nurse, and physical therapist to forensic science technician and athletic trainer.

Diagnostic and Therapeutic Services Statewide Program of Study



The Diagnostic and Therapeutic Services program of study focuses on occupational and educational opportunities associated with diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study includes exploration of patient treatment and rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.

Secondary Courses for High School Credit

Level 1

- Principles of Health Science (1 Credit)

Level 2

- Medical Terminology (1 Credit)
- Disaster Response (Fire Academy) (1 Credit)

Level 3

- *Anatomy and Physiology (1 Credit)
- Honors Medical Microbiology (1 Credit)
- Health Science Theory (Fire Academy) (1 Credit)
- Honors Health Science Theory + Honors Health Science Clinical (Clinical Rot./Site/PCT) (2 Credits)

IBC: Patient Care Technician

Level 4

- Honors Pathophysiology (1 Credit)
- Honors Pharmacology (1 Credit)
- IBC: Pharmacy Technician
- Honors Practicum in Health Science (Phlebotomy) (2 Credits)
- IBC: Phlebotomy Technician
- Honors Extended Practicum in Health Science (Fire Academy) (3 Credits)
- IBC: Certified EKG Technician
- IBC: Emergency Medical Technician (EMT)

*An Honors (Tier II) option is available for this course.

Pathway to Completer

Level 1	CTH0011/12 Principles of Health Science (1 Credit)
Level 2	CTH0041/42 Medical Terminology (1 Credit) CTL0030 Disaster Response (Fire Academy) (1 Credit)
Level 3	SCR0051/2 Anatomy and Physiology (1 Credit) SCP0051/52 Honors Anatomy and Physiology (1 Credit)
	CTP0043/45 Honors Medical Microbiology (1 Credit) CTH0061/62 Health Science Theory (Fire Academy) (1 Credit) CTP0025/26 Honors Health Science Theory + Honors Health Science Clinical (Clinical Rot./Site/PCT) (2 Credits)

*An Extended Practicum option is available for qualified students.

...Continued next page

High School Schedules contain 15 available schedule slots per year. Junior High School Schedules contain 14 available schedule slots per year.

0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study.
- CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Diagnostic and Therapeutic Services Program of Study will fulfill requirements of the Public Service endorsement or STEM endorsement if the math and science requirements are met.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

Health Science Career Cluster

The Health Science career cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. This career cluster includes occupations ranging from medical assistant, registered nurse, and physical therapist to forensic science technician and athletic trainer.

Diagnostic and Therapeutic Services

Pathway to Completer ...Continued

Level 4	CTP0045/46 Honors Pathophysiology (1 Credit) CTP0041/42 Honors Pharmacology (1 Credit) CTP0031/32 Honors Practicum in Health Science (Phlebotomy) (2 Credits)
	CTP0091/92/93 Honors Extended Practicum in Health Science (Fire Academy) (3 Credits)

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.

0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study. CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Diagnostic and Therapeutic Services Program of Study will fulfill requirements of the Public Service endorsement or STEM endorsement if the math and science requirements are met.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

Health Science Career Cluster

The Health Science career cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. This career cluster includes occupations ranging from medical assistant, registered nurse, and physical therapist to forensic science technician and athletic trainer.

Statewide Program of Study: *Exercise Science, Wellness, and Restoration*

The Exercise Science, Wellness, and Restoration program of study focuses on occupational and educational opportunities associated with assisting patients with maintaining physical, mental, and emotional health. This program of study includes researching diet and exercise needed to maintain a healthy, balanced lifestyle and exploring techniques to help patients recover from injury, illness, or disease.

Aligned Advanced Academic Courses

AP or IB	AP Biology	IB Biology SL IB Biology HL
Dual Credit	Dual credit offerings will vary by Local Education Agency.	

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Participate in an internship with a physical therapist, occupational therapist, or speech therapist Shadow an athletic trainer from a local sports team
Expanded Learning Opportunities	<ul style="list-style-type: none"> Participate in a CTSO (Career & Technical Education Student Organization) Volunteer at a hospital or rehabilitation center

Aligned Industry-Based Certifications

- Emergency Medical Technician - Basic



Example Postsecondary Opportunities

Apprenticeships

- Medical Assistant

Associate Degrees

- Associate of Applied Science

Bachelor's Degrees

- Nutrition Sciences
- Exercise Physiology and Kinesiology

Master's, Doctoral, and Professional Degrees

- Exercise Science and Kinesiology
- Physical Therapy

Additional Stackable IBCs/Licensures

- Physical Therapy Technician/Aide Certification



Example Aligned Occupations

Exercise Trainers and Group Fitness Instructors

Median Wage: \$44,916
Annual Openings: 5,022
10-Year Growth: 41%

Physical Therapist Assistants

Median Wage: \$74,866
Annual Openings: 1,218
10-Year Growth: 44%

Athletic Trainers

Median Wage: \$54,447
Annual Openings: 295
10-Year Growth: 13%

Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](https://hebisd.edu/hebisd-website).



Health Science Career Cluster

The Health Science career cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. This career cluster includes occupations ranging from medical assistant, registered nurse, and physical therapist to forensic science technician and athletic trainer.

Exercise Science, Wellness, and Restoration Statewide Program of Study



The Exercise Science, Wellness, and Restoration program of study focuses on occupational and educational opportunities associated with assisting patients with maintaining physical, mental, and emotional health. This program of study includes researching diet and exercise needed to maintain a healthy, balanced lifestyle and exploring techniques to help patients recover from injury, illness, or disease.

Secondary Courses for High School Credit

Level 1

- Principles of Health Science (1 Credit)

Level 2

- Lifetime Nutrition and Wellness (.5 Credit)
- Interpersonal Studies (.5 Credit)
- Medical Terminology (1 Credit)
- Entrepreneurship I (1 Credit)

Level 3

- Health Science Theory (Fire Academy) (1 Credit)
- Honors Health Science Theory + Honors Health Science Clinical (Clinical Rot./Site/PCT) (2 Credits)
- *Anatomy and Physiology (1 Credit)

Level 4

- Honors Practicum in Health Science (Phlebotomy) (2 Credits)
IBC: Phlebotomy Technician
- Honors Extended Practicum in Health Science (Fire Academy) (3 Credits)
IBC: Emergency Medical Technician

*An Honors (Tier II) option is available for this course.

Pathway to Completer

Level 1	CTH0011/12 Principles of Health Science (1 Credit)
Level 2	CTU0010 Lifetime Nutrition and Wellness (.5 Credit) CTU0020 Interpersonal Studies (.5 Credit)
	CTH0041/42 Medical Terminology (1 Credit) CTM0021/22 Entrepreneurship I (1 Credit)
Level 3	SCR0051/52 Anatomy and Physiology (1 Credit) SCP0051/52 Honors Anatomy and Physiology (1 Credit)
	CTH0061/62 Health Science Theory (Fire Academy) (1 Credit) Honors Health Science Theory + Honors Health Science Clinical • CTH0021/22 Clinical Rotation (2 Credits) CTP0023/24 Site (2 Credits) • CTP0036/37 PCT (2 Credits)
Level 4	CTP0031/32 Honors Practicum in Health Science (Phlebotomy) (2 Credits)
	CTP0091/92/93 Honors Extended Practicum in Health Science (Fire Academy) (3 Credits)

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.
0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study.
CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Exercise Science, Wellness, and Restoration Program of Study will fulfill requirements of the Public Services endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

Health Science Career Cluster

The Health Science career cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. This career cluster includes occupations ranging from medical assistant, registered nurse, and physical therapist to forensic science technician and athletic trainer.

Statewide Program of Study: **Nursing Science**

The Nursing Science Program of Study focuses on occupational and educational opportunities associated with patient care. This Program of Study includes the practice of caring for patients, performing routine procedures such as monitoring vital signs, developing, and implementing care plans, maintaining medical records, and managing disease or pain.

Aligned Advanced Academic Courses

AP or IB	AP Biology	AP Chemistry
	IB Biology SL	IB Chemistry SL
	IB Biology HL	IB Chemistry HL
Dual Credit	Dual credit offerings will vary by Local Education Agency.	

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Intern with a medical assistant at a community clinic, hospital, or assisted living facility Conduct informational interviews with nurses in different departments and healthcare settings
Expanded Learning Opportunities	<ul style="list-style-type: none"> Volunteer at community clinics, hospitals, assisted living and long-term care facilities Participate in a CTSO (Career & Technical Education Student Organization)

Aligned Industry-Based Certifications

- Certified Patient Care Technician (CPCT)
- Phlebotomy Technician



Example Postsecondary Opportunities

Apprenticeships

- Registered Nurse Resident



Associate Degrees

- Medical Assisting
- Vocational Nursing

Bachelor's Degrees

- Registered Nursing
- Nursing Administration

Master's, Doctoral, and Professional Degrees

- Nursing Administration
- Nursing Science

Additional Stackable IBCs/Licensures

- Certified Nursing Assistant



Example Aligned Occupations

Nursing Assistants

Median Wage: \$30,856
Annual Openings: 10,936
10-Year Growth: 15%

Licensed Practical and Licensed Vocational Nurses

Median Wage: \$50,913
Annual Openings: 6,865
10-Year Growth: 17%

Registered Nurses

Median Wage: \$79,831
Annual Openings: 16,207
10-Year Growth: 17%

Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](https://www.hebisd.edu/website).

Health Science Career Cluster

The Health Science career cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. This career cluster includes occupations ranging from medical assistant, registered nurse, and physical therapist to forensic science technician and athletic trainer.

Nursing Science Statewide Program of Study



The Nursing Science program of study focuses on occupational and educational opportunities associated with patient care. This program of study includes the practice of caring for patients, performing routine procedures such as monitoring vital signs, developing, and implementing care plans, maintaining medical records, and managing disease or pain.

Secondary Courses for High School Credit

Level 1

- Principles of Health Science (1 Credit)

Level 2

- Medical Terminology (1 Credit)

Level 3

- Health Science Theory (Fire Academy) (1 Credit)
- Honors Health Science Theory + Honors Health Science Clinical (Clinical Rot./Site/PCT) (2 Credits)
IBC: Patient Care Technician
- *Anatomy and Physiology (1 Credit)
- Honors Medical Microbiology (1 Credit)

Level 4

- Honors Pathophysiology (1 Credit)
- Honors Pharmacology (1 Credit)
- Honors Practicum in Health Science (Phlebotomy) (2 Credits)
IBC: Phlebotomy Technician

*An Honors (Tier II) option is available for this course.

Pathway to Completer

Level 1	CTH0011/12 Principles of Health Science (1 Credit)
Level 2	CTH0041/42 Medical Terminology (1 Credit)
Level 3	SCR0051/52 Anatomy and Physiology (1 Credit) SCP0051/52 Honors Anatomy and Physiology (1 Credit)
	CTH0061/62 Health Science Theory (Fire Academy) (1 Credit) Honors Health Science Theory + Honors Health Science Clinical • CTP0025/26 Clinical Rotation (2 Credits) • CTP0023/24 Site (2 Credits) • CTP0036/37 PCT (2 Credits) CTP0043/44 Honors Medical Microbiology (1 Credit)
Level 4	CTP0045/46 Honors Pathophysiology (1 Credit) CTP0041/42 Pharmacology (1 Credit) CTP0031/32 Honors Practicum in Health Science (Phlebotomy) (2 Credits)

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.
0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study. CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Nursing Science Program of Study will fulfill requirements of the Public Service endorsement or STEM endorsement if the math and science requirements are met.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

CULINARY ARTS



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

HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/departments/career-technical-education/career-technical-education>

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

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

CCMR Credit: CTE Completer plus earned IBC (Industry-Based Certification) in aligned program of study.





Hospitality and Tourism Career Cluster

The Hospitality and Tourism career cluster focuses on the management, marketing, and operations of restaurants, lodging, attractions, recreation events, and travel-related services. This career cluster includes occupations ranging from reservation and transportation ticket agent to event planner and general manager.

Statewide Program of Study: **Culinary Arts**

The Culinary Arts Program of Study focuses on occupational and educational opportunities associated with the planning, directing, or coordinating activities of a food and beverage organization or department. This program of study includes opportunities involved in directing and participating in the preparation of food.

Aligned Advanced Academic Courses

AP or IB	AP Chemistry IB Chemistry SL
Dual Credit	Dual credit offerings will vary by Local Education Agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none">Shadow a director of a non-profit that produces and delivers food for communities in needIntern at a catering company and learn about food production for large-scale eventsWork part-time in a restaurant as a line cook or chef
Expanded Learning Opportunities	<ul style="list-style-type: none">Participate in a CTSO (Career & Technical Education Student Organization)Participate in American Culinary Association or the Texas Restaurant Association

Aligned Industry-Based Certifications

- ServSafe Manager



Example Postsecondary Opportunities

Associate Degrees

- Culinary Arts
- Baking and Pastry Arts

Bachelor's Degrees

- Hotel/Motel Administration/Management
- Culinary Science

Master's, Doctoral, and Professional Degrees

- Organizational Leadership
- Foodservice Systems Administration/Management

Additional Stackable IBCs/Licensures

- Food Manager License



Example Aligned Occupations

Bakers

Median Wage: \$29,466
Annual Openings: 2,942
10-Year Growth: 26%

Chefs and Head Cooks

Median Wage: \$44,761
Annual Openings: 950
10-Year Growth: 37%

General and Operations Managers

Median Wage: \$83,220
Annual Openings: 25,450
10-Year Growth: 23%

Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](#).



Hospitality and Tourism Career Cluster

The Hospitality and Tourism career cluster focuses on the management, marketing, and operations of restaurants, lodging, attractions, recreation events, and travel-related services. This career cluster includes occupations ranging from reservation and transportation ticket agent to event planner and general manager.

Culinary Arts Statewide Program of Study



The Culinary Arts program of study focuses on occupational and educational opportunities associated with the planning, directing, or coordinating activities of a food and beverage organization or department. This program of study includes opportunities involved in directing and participating in the preparation of food.

Secondary Courses for High School Credit

Level 1

- Introduction to Culinary Arts (1 Credit)

Level 2

- Culinary Arts (2 Credits)
- Entrepreneurship I (1 Credit)

Level 4

- Honors Practicum in Culinary Arts (2 Credits)
 - Honors Extended Practicum in Culinary Arts (3 Credits)
- IBC: ServSafe Manager*

Roadmap to Completer

Level 1	CTC0009 Introduction to Culinary Arts (1 Credit)
Level 2	CTC0012/13 Culinary Arts (2 Credits)
	CTM0021/22 Entrepreneurship I (1 Credit)
Level 4	CTC0021/22 Honors Practicum in Culinary Arts (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.

0.5 Credit = 1 slot

1 credit = 2 slots

2 credits = 4 slots

3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study.
- CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Culinary Arts Program of Study will fulfill requirements of the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.



**COSMETOLOGY
AND PERSONAL
CARE SERVICES**
REGIONAL PROGRAM OF
STUDY

**FAMILY AND
COMMUNITY
SERVICES**

**HEALTH
AND
WELLNESS**

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

HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/departments/career-technical-education/career-technical-education>

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

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

CCMR Credit: CTE Completer plus earned IBC (Industry-Based Certification) in aligned program of study.





Human Services Career Cluster

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. This career cluster includes occupations ranging from community health workers to cosmetologists and nutritionists.

Regional Program of Study: Cosmetology and Personal Care Services

The Cosmetology and Personal Care Services regional Program of Study focuses on occupational and educational opportunities associated with providing beauty and personal care services. This program of study includes managing personal care facilities and coordinating or supervising personal service workers.

Aligned Advanced Academic Courses

Dual Credit Dual credit offerings will vary by Local Education Agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities

- Work part-time in a salon, spa, or barbershop
- Participate in an apprenticeship at a salon to become an apprentice stylist

Expanded Learning Opportunities

- Tour a salon, spa, or barbershop
- Participate in a CTSO (Career & Technical Education Student Organization)

Aligned Industry-Based Certifications

- Cosmetology Operator License



Example Postsecondary Opportunities

Apprenticeships

- Apprentice Stylist

Associate Degrees

- Cosmetology Operator
- Esthetics and Skin Care

Additional Stackable IBCs/Licensures

- Class A Barber
- Eyelash Extension Specialist
- Hair Weaving Specialist



Example Aligned Occupations

Hairdressers, Hairstylists, and Cosmetologists

Median Wage: \$27,286
Annual Openings: 8,014
10-Year Growth: 25%

Skincare Specialists

Median Wage: \$35,112
Annual Openings: 778
10-Year Growth: 38%

First-Line Supervisors of Personal Service Workers

Median Wage: \$36,795
Annual Openings: 2,253
10-Year Growth: 29%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit:



<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>

Human Services Career Cluster

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. This career cluster includes occupations ranging from community health workers to cosmetologists and nutritionists.

Cosmetology and Personal Care Services Statewide Program of Study



The Cosmetology and Personal Care Services regional program of study focuses on occupational and educational opportunities associated with providing beauty and personal care services. This program of study includes managing personal care facilities and coordinating or supervising personal service workers.

Secondary Courses for High School Credit

Level 2

- Introduction to Cosmetology (1 Credit)
Offered Fall Trimester only. Must be taken in same year (11th grade) as Cosmetology I (Level 3)
- Entrepreneurship I (1 Credit)

Level 3

- Cosmetology I (3 Credits)
Offered Winter and Spring trimesters only. Must be taken in same year (11th grade) as Introduction to Cosmetology (Level 2)

Level 4

- Cosmetology II+ Cosmetology II Lab (3 credits)
IBC: Cosmetology Operator License

Pathway to Completer

Level 2	CTU0060 Introduction to Cosmetology (1 Credit)
	CTM0021/22 Entrepreneurship I (1 Credit)
Level 3	CTU0071/72 Cosmetology I (2 Credits)
Level 4	CTU0074/75/76 Cosmetology II+ Cosmetology II Lab (3 credits)

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.

0.5 Credit = 1 slot

1 credit = 2 slots

2 credits = 4 slots

3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study.
- CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Cosmetology and Personal Care Services Program of Study will fulfill requirements of the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.



Human Services Career Cluster

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. This career cluster includes occupations ranging from community health workers to cosmetologists and nutritionists.

Statewide Program of Study: Family and Community Services

The Family and Community Services program of study focuses on occupational and educational opportunities associated with social services, including child and human development and consumer sciences. This program of study includes managing social and community services, managing family and consumer sciences, and understanding career paths in social work or therapy for children, families, or school communities.

Aligned Advanced Academic Courses

Dual Credit

Dual credit offerings will vary by Local Education Agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this program of study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities

- Participate in a community health worker apprenticeship at a community health center
- Shadow a social worker in a community non-profit organization to learn about providing social and community services

Expanded Learning Opportunities

- Participate in a CTSO (Career & Technical Education Student Organization)

Aligned Industry-Based Certifications

- Community Health Workers



Example Postsecondary Opportunities

Apprenticeships

- Community Health Worker Apprentice

Associate Degrees

- Social Work
- Human Development and Family Studies

Bachelor's Degrees

- Social Work
- Human Development and Family Studies

Master's, Doctoral, and Professional Degrees

- Mental Health Counseling
- Marriage and Family Therapy

Additional Stackable IBCs/Licensures

- Certified Diabetes Educator



Example Aligned Occupations

Community Health Workers

Median Wage: \$39,520

Annual Openings: 501

10-Year Growth: 25%

Social and Human Service Assistants

Median Wage: \$38,442

Annual Openings: 3,298

10-Year Growth: 21%

Child, Family, and School Social Workers

Median Wage: \$49,398

Annual Openings: 2,342

10-Year Growth: 14%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>



Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](#).

Human Services Career Cluster

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. This career cluster includes occupations ranging from community health workers to cosmetologists and nutritionists.

Family and Community Services Statewide Program of Study



The Family and Community Services program of study focuses on occupational and educational opportunities associated with social services, including child and human development and consumer sciences. This program of study includes managing social and community services, managing family and consumer sciences, and understanding career paths in social work or therapy for children, families, or school communities.

Secondary Courses for High School Credit

Level 1

- Principles of Human Services (1 Credit)
- Professional Communications (.5 Credit)
- Dollars and Sense (.5 Credit)

Level 2

- Human Growth and Development (1 Credit)
- Child Development (1 Credit)
- Lifetime Nutrition and Wellness (.5 Credit)
- Interpersonal Studies (.5 Credit)
- Entrepreneurship I (1 Credit)

Level 3

- Family and Community Services (1 Credit)
- Counseling and Mental Health (1 Credit)

Level 4

- Honors Practicum in Human Services (2 Credits)
- Honors Extended Practicum in Human Services (3 Credits)

IBC: Community Health Workers

Pathway to Completer

Level 1	CTV0000 Professional Communications (.5 Credit) CTU0090 Dollars and Sense (.5 Credit)
	CTU0900/01/02 Principles of Human Services (1 Credit)
Level 2	CTU0010 Lifetime Nutrition and Wellness (.5 Credit) CTU0020 Interpersonal Studies (.5 Credit)
	CTU0030/31/32 Child Development (1 Credit)
	CTE0001/02 Human Growth and Development (1 Credit) CTM0021/22 Entrepreneurship I (1 Credit)
Level 3	CTU0101/02 Family and Community Services (1 Credit)
	CTU0051/52 Counseling and Mental Health (1 Credit)
Level 4	CTU0043/44 Honors Practicum in Human Services (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.
0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	---	---

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study.
- CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Family and Community Services Program of Study will fulfill requirements of the Public Services endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.



Human Services Career Cluster

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. This career cluster includes occupations ranging from community health workers to cosmetologists and nutritionists.

Statewide Program of Study: *Health and Wellness*

The Health and Wellness program of study focuses on occupational and educational opportunities associated with promoting physical, emotional, and mental health and wellness. This program of study includes assisting patients in planning for their health and wellness, responding to crises, providing education or counseling, making referrals, and addressing barriers to accessing health and wellness services.

Aligned Advanced Academic Courses

Dual Credit

Dual credit offerings will vary by Local Education Agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this Program of Study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities

- Shadow a dietician in a local hospital or nursing home to learn about tailoring diets to patient needs
- Work part-time as a peer counselor at a community non-profit organization that works with children

Expanded Learning Opportunities

- Intern at a non-profit organization to learn about identifying resources to serve needs of participants
- Participate in a CTSO (Career & Technical Education Student Organization)

Aligned Industry-Based Certifications

- Community Health Workers



Example Postsecondary Opportunities

Apprenticeships

- Community Health Worker Apprentice

Associate Degrees

- Social Work
- Community Health Services Counseling

Bachelor's Degrees

- Social Work
- Mental Health Counseling

Master's, Doctoral, and Professional Degrees

- Nutrition Sciences
- Dietetics

Additional Stackable IBCs/Licensures

- Dietician



Example Aligned Occupations

Community Health Workers

Median Wage: \$39,520
Annual Openings: 501
10-Year Growth: 25%

Dietetic Technician

Median Wage: \$28,919
Annual Openings: 160
10-Year Growth: 18%

Dietitians and Nutritionists

Median Wage: \$63,687
Annual Openings: 475
10-Year Growth: 21%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>



Human Services Career Cluster

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. This career cluster includes occupations ranging from community health workers to cosmetologists and nutritionists.

Health and Wellness Statewide Program of Study



The Health and Wellness program of study focuses on occupational and educational opportunities associated with promoting physical, emotional, and mental health and wellness. This program of study includes assisting patients in planning for their health and wellness, responding to crises, providing education or counseling, making referrals, and addressing barriers to accessing health and wellness services.

Secondary Courses for High School Credit

Level 1

- Principles of Human Services (1 Credit)
- Dollars and Sense (.5 Credit)

Level 2

- Human Growth and Development (1 Credit)
- Child Development (1 Credit)
- Lifetime Nutrition and Wellness (.5 Credit)
- Interpersonal Studies (.5 Credit)
- Entrepreneurship I (1 Credit)

Level 3

- Family and Community Services (1 Credit)
- Counseling and Mental Health (1 Credit)

Level 4

- Honors Practicum in Human Services (2 Credits)
- Honors Extended Practicum in Human Services (3 Credits)

IBC: Community Health Workers

Pathway to Completer

Level 1	CTU0090 Dollars and Sense (.5 Credit)
	CTU0900/01/02 Principles of Human Services (1 Credit)
Level 2	CTU0010 Lifetime Nutrition and Wellness (.5 Credit) CTU0020 Interpersonal Studies (.5 Credit)
	CTU0030/31/32 Child Development (1 Credit)
	CTE0001/02 Human Growth and Development (1 Credit) CTM0021/22 Entrepreneurship I (1 Credit)
Level 3	CTU0051/52 Counseling and Mental Health (1 Credit)
	CTU0101/02 Family and Community Services (1 Credit)
Level 4	CTU0043/44 Honors Practicum in Human Services (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.
0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study.
- CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Health and Wellness Program of Study will fulfill requirements of the Public Services endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

CYBERSECURITY

**INFORMATION
TECHNOLOGY
SUPPORT AND
SERVICES**

**NETWORKING
SYSTEMS**

**PROGRAMMING &
SOFTWARE
DEVELOPMENT**

WEB DEVELOPMENT



**INFORMATION
TECHNOLOGY**

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

HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/departments/career-technical-education/career-technical-education>

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

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

CCMR Credit: CTE Completer plus earned IBC (Industry-Based Certification) in aligned program of study.

Information Technology Career Cluster

The Information Technology (IT) career cluster focuses on the design, development, support, and management of hardware, software, multimedia, and systems integration services. This career cluster includes occupations ranging from Software Developer and Programmer to Cybersecurity Specialists and Network Analysts.

Statewide Program of Study: **Cybersecurity**

The Cybersecurity program of study focuses on occupational and educational opportunities associated with planning, implementing, upgrading, or monitoring security measures for the protection of computer networks and information. This program of study includes responding to computer security breaches and viruses and administering network security measures.

Aligned Advanced Academic Courses

AP or IB	AP Computer Science A AP Computer Science Principles
Dual Credit	Dual credit offerings will vary by Local Education Agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this Program of Study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Intern at a local bank, hospital, or government office to develop skills in implementing security measures Interview an information security analyst to learn how they plan for, monitor, and upgrade security measures at their organization
Expanded Learning Opportunities	<ul style="list-style-type: none"> Participate in a Hackathon Participate in a CTSO (Career & Technical Education Student Organization)

Aligned Industry-Based Certifications

- CodeHS Cybersecurity Level I Certification
- CompTIA A+ Certification
- CompTIA Network+
- CompTIA Security+
- Computer Networking Fundamentals - Job Ready



Examples Postsecondary Opportunities

Associate Degrees

- Computer and Information Systems Security
- Computer Programming



Bachelor's Degrees

- Computer Science
- Computer Software Engineering

Master's, Doctoral, and Professional Degrees

- Computer and Information Systems Security/Auditing/Information Assurance
- Computer Software Engineering

Additional Stackable IBCs/Licensures

- Certified Ethical Hacker (CEH)



Example Aligned Occupations

Computer User Support Specialists

Median Wage: \$51,411
Annual Openings: 5,757
10-Year Growth: 21%

Software Developers

Median Wage: \$111,705
Annual Openings: 15,324
10-Year Growth: 36%

Information Security Analysts

Median Wage: \$110,268
Annual Openings: 1,719
10-Year Growth: 49%

Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](#).

Information Technology Career Cluster

The Information Technology (IT) career cluster focuses on the design, development, support, and management of hardware, software, multimedia, and systems integration services. This career cluster includes occupations ranging from Software Developer and Programmer to Cybersecurity Specialists and Network Analysts.

Cybersecurity Statewide Program of Study



The Cybersecurity program of study focuses on occupational and educational opportunities associated with planning, implementing, upgrading, or monitoring security measures for the protection of computer networks and information. This program of study includes responding to computer security breaches and viruses and administering network security measures.

Secondary Courses for High School Credit

Level 1

- Principles of Information Technology (Hurst Junior High) (1 Credit)
- Fundamentals of Computer Science (Euleless Junior High) (1 Credit)
- Principles of Cybersecurity (Hurst Junior High) (1 Credit)

Level 2

- Computer Science I (1 Credit)
- Computer Maintenance (1 Credit)
- AP Computer Science Principles (1 Credit)

Level 3

- Digital Forensics (1 Credit)
- Networking (1 Credit) *IBC: Computer Networking Fundamentals-Job Ready*
- Networking/Networking Lab (2 Credits)
- AP Computer Science A (1 Credit)
- IB Computer Science Standard Level (1 Credit)
- IB Computer Science Higher Level (1 Credit)

Level 4

- Cybersecurity Capstone (1 Credit)
IBC: CodeHS Cybersecurity Level 1 Certification
- Honors Independent Study in Technology Applications (1 Credit)
- Honors Practicum in Information Technology (2 Credits)
IBC: CompTIA A+ Certification
IBC: CompTIA Network+ Certification
IBC: CompTIA Security+ Certification
- Honors Extended Practicum in Information Technology (3 Credits)
- Honors Practicum in Science, Technology, Engineering, and Mathematics (2 Credits)
- Honors Extended Practicum in Science, Technology, Engineering, and Mathematics (3 Credits)

Pathway to Completer

Level 1	CTN9011/12 Principles of Information Technology (1 Credit) TAR0001/02 Fundamentals of Computer Science (1 Credit) CTS0921/22 Principles of Cybersecurity (1 Credit)
Level 2	TAR00035 Computer Science I (1 Credit) CTN0010 Computer Maintenance (1 Credit)
	TAP0001/02 AP Computer Science Principles (1 Credit)

*An Extended Practicum option is available for qualified students.

Roadmap to Completer cont'd next page

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.
0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study. CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Cybersecurity Program of Study will fulfill requirements of the STEM endorsement if the math and science requirements are met or the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

Information Technology Career Cluster

The Information Technology (IT) career cluster focuses on the design, development, support, and management of hardware, software, multimedia, and systems integration services. This career cluster includes occupations ranging from Software Developer and Programmer to Cybersecurity Specialists and Network Analysts.

Cybersecurity

Roadmap to Completer cont'd

Level 3	CTN0060 Digital Forensics (1 Credit) CTN0030 Networking (1 Credit) CTN0033/34 Networking/Networking Lab (2 Credits)
	TAP0021/22 AP Computer Science A (1 Credit) TAI0021/22 IB Computer Science Standard Level (1 Credit) TAI0031/32 IB Computer Science Higher Level (1 Credit)
Level 4	TAR0051/52 Honors Independent Study in Technology Applications (1 Credit)
	CTS0081/82 Cybersecurity Capstone (1 Credit) CTN0071/72 Honors Practicum in Information Technology (2 Credits)* CTP0051/52 Honors Practicum in Science, Technology, Engineering, and Mathematics (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.

0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	---	---

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study.
- CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Cybersecurity Program of Study will fulfill requirements of the STEM endorsement if the math and science requirements are met or the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

Information Technology Career Cluster

The Information Technology (IT) career cluster focuses on the design, development, support, and management of hardware, software, multimedia, and systems integration services. This career cluster includes occupations ranging from Software Developer and Programmer to Cybersecurity Specialists and Network Analysts.

Statewide Program of Study: Information Technology Support and Services

The Information Technology Support and Services Program of Study focuses on occupational and educational opportunities associated with administering, testing, and implementing computer databases and applying knowledge of database management systems. This program of study includes analyzing user requirements, automating or improving existing systems, and reviewing computer system capabilities. It also includes research, design, and testing of computer or computer-related equipment for commercial, industrial, military, or scientific use.

Aligned Advanced Academic Courses

AP or IB	AP Computer Science A AP Computer Science Principles	IB Computer Science SL IB Computer Science HL
Dual Credit	Dual credit offerings will vary by Local Education Agency.	

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this Program of Study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Intern at a local IT company to develop skills in computer system maintenance and setting up computer equipment Shadow a database administrator or computer software or hardware engineer to learn about their day-to-day responsibilities
Expanded Learning Opportunities	<ul style="list-style-type: none"> Participate in a CTSO (Career & Technical Education Student Organization) Subscribe to industry journals

Aligned Industry-Based Certifications

- Computer Repair Technology - Job Ready
- CompTIA A+ Certification
- CompTIA Networking+



Example Postsecondary Opportunities

Apprenticeships

- Coding Apprenticeship

Associate Degrees

- Computer Science
- Network and System Administration

Bachelor's Degrees

- Computer and Information Systems Security/Auditing/Information Assurance
- Computer Engineering

Master's, Doctoral, and Professional Degrees

- Information Science/Studies
- Electrical and Electronics Engineering

Additional Stackable IBCs/Licensures

- CompTIA Server+



Example Aligned Occupations

Computer User Support Specialists

Median Wage: \$51,411
Annual Openings: 5,757
10-Year Growth: 21%

Computer Network Support Specialists

Median Wage: \$65,646
Annual Openings: 1,634
10-Year Growth: 19%

Computer Hardware Engineers

Median Wage: \$119,662
Annual Openings: 377
10-Year Growth: 14%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>

Information Technology Career Cluster

The Information Technology (IT) career cluster focuses on the design, development, support, and management of hardware, software, multimedia, and systems integration services. This career cluster includes occupations ranging from Software Developer and Programmer to Cybersecurity Specialists and Network Analysts.

Information Technology Support and Services Statewide Program of Study



The Information Technology Support and Services program of study focuses on occupational and educational opportunities associated with administering, testing, and implementing computer databases and applying knowledge of database management systems. This program of study includes analyzing user requirements, automating or improving existing systems, and reviewing computer system capabilities. It also includes research, design, and testing of computer or computer-related equipment for commercial, industrial, military, or scientific use.

Secondary Courses for High School Credit

Level 1

- **Principles of Information Technology (1 Credit)**
(Hurst Junior High)
- **Fundamentals of Computer Science (1 Credit)**
(Euleless Junior High)

Level 2

- Computer Maintenance (1 Credit)
IBC: Computer Repair Technician - Job Ready
- Entrepreneurship I (1 Credit)

Level 4

- Honors Independent Study in Technology Applications (1 Credit)
- Computer Technician Practicum (2 Credits)
IBC: CompTIA A+ Certification
IBC: CompTIA Network+ Certification
- Honors Practicum in Information Technology (2 Credits)
- Honors Extended Practicum in Information Technology (3 Credits)

Pathway to Completer

Level 1	CTN0094/95 Principles of Information Technology (1 Credit) TAR0001/02 Fundamentals of Computer Science (1 Credit)
Level 2	CTN0010 Computer Maintenance (1 Credit) CTM0021/22 Entrepreneurship 1 (1 Credit)
Level 4	CTN0041/42 Computer Technician Practicum (2 Credits) CTN0071/72 Honors Practicum in Information Technology (2 Credits)*
	TAR0051/52 Honors Independent Study in Technology Applications (1 Credit)

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.

0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study. CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Information Technology Support and Services Program of Study will fulfill requirements of the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

Information Technology Career Cluster

The Information Technology (IT) career cluster focuses on the design, development, support, and management of hardware, software, multimedia, and systems integration services. This career cluster includes occupations ranging from Software Developer and Programmer to Cybersecurity Specialists and Network Analysts.

Statewide Program of Study: **Networking Systems**

The Networking Systems Program of Study focuses on 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 includes analysis of data processing challenges to implementing and improving computer systems.

Aligned Advanced Academic Courses

Dual Credit

Dual credit offerings will vary by Local Education Agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this Program of Study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities

- Intern at a local education, public service, or technology organization to develop skills in installing hardware and software
- Interview a network administrator to learn about their career path and what credentials they earned to be successful in their role

Expanded Learning Opportunities

- Participate in a Hackathon
- Participate in a CTSO (Career & Technical Education Student Organization)

Aligned Industry-Based Certifications

- CompTIA A+ Certification
- CompTIA Networking+
- Computer Networking Fundamentals - Job Ready

Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](#).



Example Postsecondary Opportunities

Apprenticeships

- Network Engineer Apprenticeship

Associate Degrees

- Computer Systems Networking and Telecommunications
- Network and System Administration

Bachelor's Degrees

- Computer and Information Sciences
- Information Technology

Master's, Doctoral, and Professional Degrees

- Computer Science
- Information Technology

Additional Stackable IBCs/Licensures

- Aruba Certified Mobility Associate (ACMA)



Example Aligned Occupations

Computer Network Support Specialists

Median Wage: \$65,646
Annual Openings: 1,634
10-Year Growth: 19%

Computer Systems Analysts

Median Wage: \$101,716
Annual Openings: 4,985
10-Year Growth: 19%

Network and Computer Systems Administrators

Median Wage: \$85,375
Annual Openings: 2,900
10-Year Growth: 20%

Information Technology Career Cluster

The Information Technology (IT) career cluster focuses on the design, development, support, and management of hardware, software, multimedia, and systems integration services. This career cluster includes occupations ranging from Software Developer and Programmer to Cybersecurity Specialists and Network Analysts.

Networking Systems Statewide Program of Study



The Networking Systems program of study focuses on 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 includes analysis of data processing challenges to implementing and improving computer systems.

Secondary Courses for High School Credit

Level 1

- Principles of Information Technology (1 Credit)
(Hurst Junior High)
- Fundamentals of Computer Science (1 Credit)
(Eules Junior High)

Level 2

- Computer Science I (1 Credit)
- Computer Maintenance (1 Credit)
- AP Computer Science Principles (1 Credit)
- Entrepreneurship (1 Credit)

Level 3

- Networking (1 Credit) *IBC: Computer Networking Fundamentals - Job Ready*
- Networking + Networking Lab (2 Credits)

Level 4

- Honors Independent Study in Technology Applications (1 credit)
- Honors Practicum in Information Technology (2 Credits)
IBC: CompTIA A+ Certification
IBC: CompTIA Network+ Certification
- Honors Extended Practicum in Information Technology (3 Credits)

Pathway to Completer

Level 1	CTN0094/95 Principles of Information Technology (1 Credit) TAR0011/12 Fundamentals of Computer Science (1 Credit)
Level 2	TAP0001/02 AP Computer Science Principles (1 Credit) TAR0003 Computer Science I (1 Credit) CTN0010 Computer Maintenance (1 Credit) CTM0021/22 Entrepreneurship I (1 Credit)
Level 3	CTN0030 Networking (1 Credit) CTN0033/34 Networking + Networking Lab (2 Credits)
Level 4	TAR0051/52 Honors Independent Study in Technology Applications (1 credit) CTN0071/72 Honors Practicum in Information Technology (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.

0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study.
CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Networking Systems Program of Study will fulfill requirements of the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.



Information Technology Career Cluster

The Information Technology (IT) career cluster focuses on the design, development, support, and management of hardware, software, multimedia, and systems integration services. This career cluster includes occupations ranging from Software Developer and Programmer to Cybersecurity Specialists and Network Analysts.

Statewide Program of Study: **Programming and Software Development**

The Programming and Software Development Program of Study focuses on occupational and educational opportunities associated with researching, designing, developing, testing, and 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 includes creating, modifying, and testing the codes, forms, and script that allow computer applications to run.

Aligned Advanced Academic Courses

AP or IB	AP Calculus AB AP Statistics IB Mathematics Applications and Interpretation SL
Dual Credit	Dual credit offerings will vary by Local Education Agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this Program of Study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none">Intern at a local IT company to develop skills in programming and codingShadow a software developer to learn how they create and improve software to support efficient processes at their company
Expanded Learning Opportunities	<ul style="list-style-type: none">Program and create a gameParticipate in a CTSO (Career & Technical Education Student Organization)

Aligned Industry-Based Certifications

- Certified Entry-Level Python Programmer (PCEP)
- CodeHS Python Level 1 Certification
- Certified User: Programmer
- CompTIA A+ Certification



Example Postsecondary Opportunities

Apprenticeships

- Computer Programmer Apprenticeship



Associate Degrees

- Computer Programming
- Web Page, Digital/Multimedia and Information Resources Design

Bachelor's Degrees

- Data Science
- Computer Engineering

Master's, Doctoral, and Professional Degrees

- Management Science
- Computer Software Engineering

Additional Stackable IBCs/Licensures

- AWS Certified Developer Associate



Example Aligned Occupations

Computer User Support Specialists

Median Wage: \$51,411
Annual Openings: 5,757
10-Year Growth: 21%

Software Developers

Median Wage: \$111,705
Annual Openings: 15,324
10-Year Growth: 36%

Computer Programmers

Median Wage: \$87,997
Annual Openings: 1,176
10-Year Growth: 4%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>



Information Technology Career Cluster

The Information Technology (IT) career cluster focuses on the design, development, support, and management of hardware, software, multimedia, and systems integration services. This career cluster includes occupations ranging from Software Developer and Programmer to Cybersecurity Specialists and Network Analysts.

Programming and Software Development Statewide Program of Study



The Programming and Software Development program of study focuses on occupational and educational opportunities associated with researching, designing, developing, testing, and 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 includes creating, modifying, and testing the codes, forms, and script that allow computer applications to run.

Secondary Courses for High School Credit

Level 1

- Principles of Information Technology (1 Credit)
(Hurst Junior High)
- Fundamentals of Computer Science (1 Credit)
(Eulless Junior High)

IBC: CodeHS Python Level I Certification

Level 2

- Computer Science 1 (1 Credit)
IBC: Certified Entry-Level Python Programmer (PCEP)
- AP Computer Science Principles (1 Credit)
- Entrepreneurship (1 Credit)

Level 3

- Computer Science II (1 Credit)
- AP Computer Science A (1 Credit)

- IB Computer Science Standard Level (1 Credit)
- IB Computer Science Higher Level (1 Credit)

Level 4

- Honors Independent Study in Technology Applications (1 Credit)
- Honors Practicum in Information Technology (2 Credits)
IBC: CompTIA A+ Certification
- Honors Extended Practicum in Information Technology (3 Credits)
- Honors Practicum in Science, Technology, Engineering, and Mathematics (2 Credits)
- Honors Extended Practicum in Science, Technology, Engineering, and Mathematics (3 Credits)

Other Course Industry-Based Certifications (IBC's)

Certified User: Programmer

Pathway to Completer

Level 1	CTN0094/95 Principles of Information Technology (1 Credit) TAR0001/02 Fundamentals of Computer Science (1 Credit)
Level 2	TAP0001/02 AP Computer Science Principles (1 Credit) TAR0003 Computer Science I (1 Credit) CTM0021/22 Entrepreneurship (1 Credit)

*An Extended Practicum option is available for qualified students.

continued to next page...

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.

0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study. CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Programming and Software Development Program of Study will fulfill requirements of the STEM endorsement if the math and science requirements are met or the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

Information Technology Career Cluster

The Information Technology (IT) career cluster focuses on the design, development, support, and management of hardware, software, multimedia, and systems integration services. This career cluster includes occupations ranging from Software Developer and Programmer to Cybersecurity Specialists and Network Analysts.

Programming and Software Development

Roadmap to Completer ...continued

Level 3	TAI0021/22 IB Computer Science Standard Level (1 Credit) TAI0031/32 IB Computer Science Higher Level (1 Credit)
	TAR0006 Computer Science II (1 Credit) TAP0021/22 AP Computer Science A (1 Credit)
Level 4	TAR0051/52 Honors Independent Study in Technology Applications (1 Credit)
	CTN0073/74 Honors Practicum in Information Technology (2 Credits)* CTP0053/54 Honors Practicum in Science, Technology, Engineering, and Mathematics (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.
0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	---	---

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study.
CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Programming and Software Development Program of Study will fulfill requirements of the STEM endorsement if the math and science requirements are met or the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

Information Technology Career Cluster

The Information Technology (IT) career cluster focuses on the design, development, support, and management of hardware, software, multimedia, and systems integration services. This career cluster includes occupations ranging from Software Developer and Programmer to Cybersecurity Specialists and Network Analysts.

Statewide Program of Study: **Web Development**

The Web Development Program of Study focuses on occupational and educational opportunities associated with designing, creating, and modifying websites. It includes integration of websites with other computer applications and conversion of written, graphic, audio, and video components to compatible web formats using software designed to facilitate the creation of web and multimedia content.

Aligned Advanced Academic Courses

AP or IB	AP Computer Science A AP Computer Science Principles	IB Computer Science SL IB Computer Science HL
Dual Credit	Dual credit offerings will vary by Local Education Agency.	

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this Program of Study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities	<ul style="list-style-type: none"> Intern at a nonprofit or small business to support developing or updating their website and digital media Interview a web designer to learn about how they developed their digital design skills and what factors they consider when developing a website.
Expanded Learning Opportunities	<ul style="list-style-type: none"> Create a website Participate in a CTSO (Career & Technical Education Student Organization)

Aligned Industry-Based Certifications

- CodeHS Python Level I Certification

Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](#).



Example Postsecondary Opportunities

Associate Degrees

- Web Page, Digital/Multimedia and Information Resources Design
- Web/Multimedia Management

Bachelor's Degrees

- Computer and Information Sciences
- Information Technology

Master's, Doctoral, and Professional Degrees

- Computer and Information Sciences
- Computer Software Engineering

Additional Stackable IBCs/Licensures

- HTML Developer



Example Aligned Occupations

Web Developers

Median Wage: \$77,712
Annual Openings: 1,170
10-Year Growth: 24%

Software Developers

Median Wage: \$111,705
Annual Openings: 15,324
10-Year Growth: 36%

Computer and Information Systems Managers

Median Wage: \$155,593
Annual Openings: 3,064
10-Year Growth: 26%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>

Information Technology Career Cluster

The Information Technology (IT) career cluster focuses on the design, development, support, and management of hardware, software, multimedia, and systems integration services. This career cluster includes occupations ranging from Software Developer and Programmer to Cybersecurity Specialists and Network Analysts.

Web Development Statewide Program of Study



The Web Development program of study focuses on occupational and educational opportunities associated with designing, creating, and modifying websites. It includes integration of websites with other computer applications and conversion of written, graphic, audio, and video components to compatible web formats using software designed to facilitate the creation of web and multimedia content.

Secondary Courses for High School Credit

Level 1

- Principles of Information Technology (1 Credit)
(Hurst Junior High)
 - Fundamentals of Computer Science (1 Credit)
(Eulless Junior High)
- IBC: CodeHS Python Level 1 Certification*

Level 2

- Computer Science I (1 Credit)
- Entrepreneurship (1 Credit)

Level 3

- Web Design (1 Credit)

Level 4

- Honors Independent Study in Technology Applications (1 Credit)
- Honors Practicum in Information Technology (2 Credits)
- Honors Extended Practicum in Information Technology (3 Credits)

Pathway to Completer

Level 1	CTN0094/95 Principles of Information Technology (1 Credit) TAR0001/02 Fundamentals of Computer Science (1 Credit)
Level 2	TAR0003 Computer Science I (1 Credit) CTM0021/22 Entrepreneurship I (1 Credit)
Level 3	TAR0011/12 Web Design (1 Credit)
Level 4	CTN0071/72 Honors Practicum in Information Technology (2 Credits)* TAR0051/52 Honors Independent Study in Technology Applications (1 Credit)

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.
0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study. CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Web Development Program of Study will fulfill requirements of the STEM endorsement if the math and science requirements are met or the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.



**LAW
ENFORCEMENT**

LEGAL STUDIES

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

HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/departments/career-technical-education/career-technical-education>

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

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

CCMR Credit: CTE Completer plus earned IBC (Industry-Based Certification) in aligned program of study.

Law and Public Service Career Cluster



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. This career cluster includes occupations ranging from police officer and firefighter to political scientist and lawyer.

Statewide Program of Study: **Law Enforcement**

The Law Enforcement Program of Study focuses on occupational and educational opportunities associated with the development and enforcement of laws by various branches of law enforcement. This program of study includes the history, organization, and functions of local, state, and federal law enforcement. Students will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime.

Aligned Advanced Academic Courses

Dual Credit

Dual credit offerings will vary by Local Education Agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this Program of Study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities

- Shadow a detective to learn about investigations and the role of detectives in law enforcement
- Intern in dispatch at a local law enforcement agency to learn about first responder roles and processes

Expanded Learning Opportunities

- Visit a police department
- Participate in a CTSO (Career & Technical Education Student Organization)

Aligned Industry-Based Certifications

- IAED Emergency Telecommunicator 2025-2026

Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](https://www.hebisd.edu).



Example Postsecondary Opportunities

Apprenticeships

- Security Specialist

Associate Degrees

- Criminal Justice
- Law Enforcement

Bachelor's Degrees

- Forensic Science
- Criminal Justice

Master's, Doctoral, and Professional Degrees

- Criminal Justice
- Criminology and Criminal Justice

Additional Stackable IBCs/Licensures

- Jailer – Basic County Corrections
- Basic Telecommunicator



Example Aligned Occupations

Police and Sheriff's Patrol Officers

Median Wage: \$64,373
Annual Openings: 5,424
10-Year Growth: 13%

Detectives and Criminal Investigators

Median Wage: \$82,090
Annual Openings: 1,536
10-Year Growth: 8%

First-Line Supervisors of Police and Detectives

Median Wage: \$97,571
Annual Openings: 5461
0-Year Growth: 12%

Law Enforcement

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.



For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>

Law and Public Service Career Cluster

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. This career cluster includes occupations ranging from police officer and firefighter to political scientist and lawyer.

Law Enforcement Statewide Program of Study



The Law Enforcement program of study focuses on occupational and educational opportunities associated with the development and enforcement of laws by various branches of law enforcement. This program of study includes the history, organization, and functions of local, state, and federal law enforcement. Students will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime.

Secondary Courses for High School Credit

Level 1

- Principles of Law, Public Safety, Corrections, and Security (1 Credit)

Level 2

- Law Enforcement I (Rotation/911 Dispatch) (1 Credit)

Level 3

- Law Enforcement II (1 Credit)
- Counseling and Mental Health (1 Credit)

Level 4

- Forensic Science (1 Credit)
- Honors Practicum in Law, Public Safety, Corrections, and Security (2 Credits)
- Honors Extended Practicum in Law, Public Safety, Corrections, and Security (3 Credits)

IBC: IAED Emergency Telecommunicator

Pathway to Completer

Level 1	CTL0011/12 Principles of Law, Public Safety, Corrections, and Security (1 Credit)
Level 2	CTL0033 Law Enforcement I Rotation (1 Credit) CTL0036 Law Enforcement I 911 Dispatch (1 Credit)
Level 3	CTL0043 Law Enforcement II (1 Credit)
	CTU0051/52 Counseling and Mental Health (1 Credit)
Level 4	SCR0061/62 Forensic Science (1 Credit) CTL0051/52 Honors Practicum in Law, Public Safety, Corrections, and Security (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.

0.5 Credit = 1 slot

1 credit = 2 slots

2 credits = 4 slots

3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
---	--	---	---

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study.
- CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Law Enforcement Program of Study will fulfill requirements of the Public Services endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

Law and Public Service Career Cluster



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. This career cluster includes occupations ranging from police officer and firefighter to political scientist and lawyer.

Statewide Program of Study: *Legal Studies*

The Legal Studies Program of Study focuses on topics such as legal research, legal writing, rules of procedure, case management, law office technology and legal ethics. Areas of the legal system studied include aspects of family law, criminal law, and contract law.

Aligned Advanced Academic Courses

Dual Credit

Dual credit offerings will vary by Local Education Agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this Program of Study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities

- Shadow a clerk in a courthouse to learn about civil litigation
- Intern at a law firm, working alongside a paralegal to produce and organize legal documents
- Work part-time as an administrative assistant at a local non-profit that provides legal aid

Expanded Learning Opportunities

- Participate in a CTSO (Career & Technical Education Student Organization)
- Participate in a Mock Trial

Aligned Industry-Based Certifications

- Administrative Assisting
- General Management



Example Postsecondary Opportunities

Apprenticeships

- Law Apprenticeship

Associate Degrees

- Paralegal Studies
- Court Reporting and Captioning

Bachelor's Degrees

- Legal Research
- Legal Studies

Master's, Doctoral, and Professional Degrees

- Juris Doctorate
- International and Comparative Law

Additional Stackable IBCs/Licensures

- Paralegal



Example Aligned Occupations

Court Reporters

Median Wage: \$51,177
Annual Openings: 174
10-Year Growth: 11%

Paralegals and Legal Assistants

Median Wage: \$56,310
Annual Openings: 4,046
10-Year Growth: 23%

Lawyers

Median Wage: \$134,158
Annual Openings: 3,915
10-Year Growth: 19%

Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](#).

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>



Law and Public Service Career Cluster

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. This career cluster includes occupations ranging from police officer and firefighter to political scientist and lawyer.

Legal Studies Statewide Program of Study



The Legal Studies program of study focuses on topics such as legal research, legal writing, rules of procedure, case management, law office technology, and legal ethics. Areas of the legal system studied include aspects of family law, criminal law, and contract law.

Secondary Courses for High School Credit

Level 1

- Principles of Law, Public Safety, Corrections, and Security (1 Credit)

Level 2

- Court Systems and Practices (1 Credit)

Level 3

- Advanced Legal Skills and Professions (1 Credit)

IBC: General Management

IBC: Administrative Assisting

Level 4

- Forensic Science (1 Credit)
- Honors Practicum in Law, Public Safety, Corrections, and Security (2 Credits)
- Honors Extended Practicum in Law, Public Safety, Corrections, and Security (3 Credits)

Pathway to Completer

Level 1	CTL0011/12 Principles of Law, Public Safety, Corrections, and Security (1 Credit)
Level 2	CTL0021/22 Court Systems and Practices (1 Credit)
Level 3	CTL0060 Advanced Legal Skills and Professions (1 Credit)
Level 4	SCR0061/62 Forensic Science (1 Credit) CTL0051/52 Honors Practicum in Law, Public Safety, Corrections, and Security (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.

0.5 Credit = 1 slot

1 credit = 2 slots

2 credits = 4 slots

3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study. CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Legal Studies Program of Study will fulfill requirements of the Public Services endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

**ROBOTICS &
AUTOMATION
TECHNOLOGY**

WELDING



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

HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/departments/career-technical-education/career-technical-education>

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

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

CCMR Credit: CTE Completer plus earned IBC (Industry-Based Certification) in aligned program of study.

Manufacturing Career Cluster

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 process engineering. This career cluster includes occupations ranging from Welder and Machinist to Industrial Engineering Technician, and Semi-Conductor Processing Technician.

Statewide Program of Study: Robotics and Automation Technology

The Robotics and Automation Technology program of study focuses on occupational and educational opportunities associated with the assembly, operation, maintenance, and repair of electromechanical equipment or devices. This program of study includes exploration of a variety of mechanical fields, including robotics, refinery and pipeline systems, deep ocean exploration, and hazardous waste removal.

Aligned Advanced Academic Courses

Dual Credit

Dual credit offerings will vary by Local Education Agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this Program of Study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities

- Intern with a robotics technician working at manufacturing plant
- Shadow a PLC programmer

Expanded Learning Opportunities

- Tour a manufacturing facility
- Participate in a CTSO (Career & Technical Education Student Organization)
- Build a robot and participate in a robotics competition

Aligned Industry-Based Certifications

- C-101 Certified Industry 4.0 Associate - Basic 1
- FANUC Robot Operator I Operations
- Certified Manufacturing Associate

Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](#).



Successful completion of the Robotics and Automation Technology program of study will fulfill requirements of the STEM endorsement if the math and science requirements are met or the Business and Industry endorsement.



Example Postsecondary Opportunities

Associate Degrees

- Instrumentation Technology
- Industrial Technology
- Robotics Technology
- Automation Engineer Technology



Bachelor's Degrees

- Mechanical Engineering
- Electrical and Electronics Engineering
- Electrical, Electronic, and Communications Engineering Technology
- Electromechanical Engineering Technology

Master's, Doctoral, and Professional Degrees

- Mechanical Engineering
- Engineering/Industrial Management
- Industrial Engineering
- Electrical and Electronics Engineering



Example Aligned Occupations

Computer Numerically Controlled Tool Operators

Median Wage: \$46,353
Annual Openings: 1,146
10-Year Growth: 10%

Semiconductor Processing Technicians

Median Wage: \$36,902
Annual Openings: 621
10-Year Growth: 9%

Industrial Engineers

Median Wage: \$100,000
Annual Openings: 1,898
10-Year Growth: 26%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.



For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>

Manufacturing Career Cluster

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 process engineering. This career cluster includes occupations ranging from welder and machinist to industrial engineering technician and semi-conductor processing technician.

Robotics and Automation Technology Statewide Program of Study



The Robotics and Automation Technology program of study focuses on occupational and educational opportunities associated with the assembly, operation, maintenance, and repair of electromechanical equipment or devices. This program of study includes exploration of a variety of mechanical fields, including robotics, refinery and pipeline systems, deep ocean exploration, and hazardous waste removal.

Secondary Courses for High School Credit

Level 1

- Principles of Applied Engineering
(Honors option at CJH only 8th Grade) (1 Credit)

Level 2

- *Robotics I (1 Credit)
IBC: C-101 Certified Industry 4.0 Associate - Basic Operations

Level 3

- *Engineering Design and Presentation I (1 Credit)
- *Robotics II (1 Credit)
IBC: Certified Manufacturing Associate

Level 4

- Honors Practicum in Manufacturing (2 Credits)
- Honors Extended Practicum in Manufacturing (3 Credits)
IBC: FANUC Robot Operator I

*An Honors (Tier II) option is available for this course.

Pathway to Completer

Level 1	CTS0911/12 Principles of Applied Engineering (1 Credit)
Level 2	CTS0060/61/62 Robotics I (1 Credit) (Available at CJH)
Level 3	CTS0020/21/22 Engineering Design and Presentation I (1 Credit) CTS0070 Robotics II (1 Credit)
Level 4	CTS0011/12 Honors Practicum in Manufacturing (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.

0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study. CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Robotics and Automation Program of Study will fulfill requirements of the STEM endorsement if the math and science requirements are met or the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.



Manufacturing Career Cluster

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 process engineering. This career cluster includes occupations ranging from Welder and Machinist to Industrial Engineering Technician, and Semi-Conductor Processing Technician.

Statewide Program of Study: **Welding**

The Welding Program of Study focuses on occupational and educational opportunities associated with the development and use of automatic and computer-controlled machines, tools, and robots that perform work on metal or plastic. This Program of Study addresses how to modify parts to make or repair machine tools or maintain individual machines, and how to use hand-welding or flame-cutting equipment.

Aligned Advanced Academic Courses

Dual Credit

Dual credit offerings will vary by Local Education Agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count toward Completer status for this Program of Study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities

- Job shadow a welder
- Intern for a local welding company

Expanded Learning Opportunities

- Tour a welding shop
- Participate in a CTSO (Career & Technical Education Student Organization)
- Participate in a welding project that benefits the community

Industry-Based Certifications

- API 1104 Welding Pipelines and Related Facilities
- AWS D9.1 Sheet Metal Welding
- AWS D1.1 Structural Steel



Example Postsecondary Opportunities

Apprenticeships

- Welding



Associate Degrees

- Welding Technology
- Building/Construction Site Management
- Operations Management and Supervision

Bachelor's Degrees

- Welding Technology
- Construction Management
- Project Management
- Building/Construction Site Management

Master's, Doctoral, and Professional Degrees

- Engineering
- Engineering/Industrial Management
- Manufacturing Engineering
- Construction Engineering



Example Aligned Occupations

Welders, Cutters, Solderers, and Brazers

Median Wage: \$48,177
Annual Openings: 6,792
10-Year Growth: 23%

First-Line Supervisors of Production and Operating Workers

Median Wage: \$62,584
Annual Openings: 5,926
10-Year Growth: 17%

Industrial Production Managers

Median Wage: \$119,691
Annual Openings: 1,296
10-Year Growth: 19%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.

For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>



Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](https://hebisd.edu).

Manufacturing Career Cluster

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 process engineering. This career cluster includes occupations ranging from welder and machinist to industrial engineering technician and semi-conductor processing technician.

Welding Statewide Program of Study



The Welding Program of Study focuses on the development and use of automatic and computer-controlled machines, tools, and robots that perform work on metal or plastic. CTE learners will learn how to modify parts to make or repair machine tools or maintain individual machines and how to use hand-welding or flame-cutting equipment.

Secondary Courses for High School Credit

Level 1

- Introduction to Welding (1 Credit)

Level 2

- Welding I (2 Credits)
IBC: AWS D1.1 Structural Steel
- Entrepreneurship I (1 Credit)

Level 3

- Welding II (2 Credits)
- Welding II with Lab (3 Credits)
IBC: AWS D9.1 Sheet Metal Welding
IBC: API 1104 Welding Pipelines and Related Facilities

Level 4

- Honors Practicum in Manufacturing (2 Credits)
- Honors Extended Practicum in Manufacturing (3 Credits)

Pathway to Completer

Level 1	CTU011/13/14 Introduction to Welding (1 Credit)
Level 2	CTU011/12 Welding I (2 Credits) CTM0021/22 Entrepreneurship I (1 Credit)
Level 3	CTU0021/22 Welding II (2 Credits) CTU0026 Welding II with Lab (1 Credit)
Level 4	CTP0011/12 Honors Practicum in Manufacturing (2 Credits)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.

0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	---	---

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study. CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Welding Program of Study will fulfill requirements of the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

AUTOMOTIVE



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

HEB ISD Career & Technical Education Department

<https://www.hebisd.edu/departments/career-technical-education/career-technical-education>

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

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

CCMR Credit: CTE Completer plus earned IBC (Industry-Based Certification) in aligned program of study.



Transportation, Distribution, and Logistics Career Cluster

The Transportation, Distribution, and Logistics career cluster focuses on planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes transportation infrastructure planning and management, logistics services, and mobile equipment and facility maintenance. This career cluster includes occupations ranging from automotive mechanic, avionics technician, and automotive entrepreneur to pilots and logistics planning professionals.

Statewide Program of Study: **Automotive**

The Automotive Program of Study focuses on the occupational and educational opportunities associated with servicing, repairing, and refinishing various types of vehicles. This program of study includes diagnosing and servicing vehicles and learning about processes, technologies, and materials used in reconstructing vehicles.

Aligned Advanced Academic Courses

Dual Credit

Dual credit offerings will vary by Local Education Agency.

Students should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards Concentrator/Completer status for this Program of Study.

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities

- Shadow an automotive technician at a car dealership
- Intern at a rental car company and assist technicians with vehicle maintenance
- Work at a local automotive repair shop and hold both customer service duties and automatic repair duties

Expanded Learning Opportunities

- Join a related automotive association and attend events
- Participate in a CTSO (Career & Technical Education Student Organization)

Aligned Industry-Based Certifications

- ASE Entry Level Automobile Maintenance and Light Repair (MR)
- ASE Entry-Level Automobile Brakes (BR)
- ASE Entry-Level Automobile Electronic/Electrical Systems (EE)
- ASE Entry-Level Automobile Engine Repair (ER)
- ASE Entry-Level Automobile Manual Drive Train and Axles (MD)
- ASE Entry-Level Automobile Suspension and Steering (SS)

Non-Discrimination Statement: Hurst-Euleless-Bedford ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Luke DeFilippis, Title IX Coordinator - lukedefilippis@hebisd.edu, 817-283-4461.

NOTE: A full version of this statement is available in both English and Spanish on the [HEB ISD website](#).



Example Postsecondary Opportunities

Apprenticeships

- Automotive Technician Apprenticeship



Associate Degrees

- Automobile/Automotive Mechanics Technology
- Autobody/Collision and Repair Technology

Bachelor's Degrees

- Autobody/Collision and Repair Technology
- Heavy Equipment Maintenance Technology

Additional Stackable IBCs/Licensures

- Automobile and Light Truck Certification (A1–A9)



Example Aligned Occupations

Automotive Service

Technicians and Mechanics

Median Wage: \$44,809

Annual Openings: 6,285

10-Year Growth: 10%

Bus and Truck Mechanics and Diesel Engine Specialists

Median Wage: \$50,967

Annual Openings: 3,096

10-Year Growth: 19%

First-Line Supervisors of Mechanics, Installers, and Repairers

Median Wage: \$66,535

Annual Openings: 5,019

10-Year Growth: 19%

Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024.



For more information visit:

<https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/programs-of-study-additional-resources>

Transportation, Distribution, and Logistics Career Cluster

The Transportation, Distribution, and Logistics career cluster focuses on planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes transportation infrastructure planning and management, logistics services, and mobile equipment and facility maintenance. This career cluster includes occupations ranging from automotive mechanic, avionics technician, and automotive entrepreneur to pilots and logistics planning professionals.

Automotive and Collision Repair Statewide Program of Study



The Automotive and Collision Repair program of study focuses on the occupational and educational opportunities associated with servicing, repairing, and refinishing various types of vehicles. This program of study includes diagnosing and servicing vehicles and learning about processes, technologies, and materials used in reconstructing vehicles.

Secondary Courses for High School Credit

Level 2

- Automotive Basics (1 Credit)
- Entrepreneurship I (1 Credit)

Level 3

- Automotive Technology I: Maintenance and Light Repair (2 Credits)
IBC: ASE Entry Level Automobile Brakes (BR)
IBC: ASE Entry Level Automobile Engine Repair (ER)
IBC: ASE Entry Level Automobile Manual Drive Train and Axles (MD)
IBC: ASE Entry Level Automobile Suspension and Steering (SS)

Level 4

- Automotive Technology II: Automotive Service (2 Credits)
IBC: ASE Entry Level Electronic/Electrical Systems (EE)
IBC: ASE Entry Level Automobile Maintenance and Light Repair (MR)
- Automotive Technology II: Automotive Service + Advanced Transportation Systems Laboratory (1 Credit)
- Honors Practicum in Transportation Systems (2 Credits)
- Honors Extended Practicum in Transportation Systems (3 Credits)

Pathway to Completer

Level 2	CTT0010 Automotive Basics (1 Credit)
	CTM0021/22 Entrepreneurship I (1 Credit)
Level 3	CTT0011/12 Automotive Technology I: Maintenance and Light Repair (2 Credits)
Level 4	CTT0021/22 Automotive Technology II: Automotive Service (2 Credits) CTT0051/52 Honors Practicum in Transportation Systems (2 Credits)
	CTT0023 Automotive Technology II: Automotive Service + Advanced Transportation Systems Laboratory (1 Credit)*

*An Extended Practicum option is available for qualified students.

High School Schedules contain 15 available schedule slots per year. **Junior High School Schedules** contain 14 available schedule slots per year.
0.5 Credit = 1 slot 1 credit = 2 slots 2 credits = 4 slots 3 credits = 6 slots (BCTEA-2 slots per trimester)

1 Semester/Trimester [Home Campus] .5 Credit = 1 Schedule Slot	2 Semester/Trimester [Home Campus] 1 Credit = 2 Schedule Slots May be blocked into one trimester	1 Trimester [BCTEA] .5 Credit = 1 Schedule Slot 1 Credit = 2 Schedule Slots May be blocked into one trimester	2 Trimesters [BCTEA] 1 Credit = 2 Schedule Slots 2 Credits = 4 Schedule Slots May be blocked into one trimester
--	---	--	--

- A Completer is a student who completes three or more courses for four or more credits with one course from Level 3 or 4 within a Program of Study. CCMR Credit = CTE Completer + earned IBC (Industry Based Certification) in an aligned Program of Study.
- Students without their own transportation may not be able to participate in a practicum course.
- Successful completion of the Automotive Program of Study will fulfill requirements of the Business and Industry endorsement.
- Please refer to the Academic Planning Guide course descriptions for required course prerequisites.

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



ARCHITECTURAL DESIGN I (ARCHDSN1 13004600)

Prerequisite:	Algebra I & English I	Credit:	1	GPA: Tier I
Grade Level:	10-11	Trimesters:	1 - 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.***

HONORS ARCHITECTURAL DESIGN II (ARCHDSN2 13004700)

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

This course further develops the knowledge of design, design history, techniques and tools used in industry. Students will become proficient in Autodesk AutoCAD, Fusion 360 and Revit. Students will be expected to take industry-based certifications that are offered.

HONORS PRACTICUM IN ARCHITECTURAL DESIGN (PRACADS1 13004800)

Prerequisite:	Architectural Design II Teacher Approval Required	Credit:	2	GPA: Tier II
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.

HONORS EXTENDED PRACTICUM IN ARCHITECTURAL DESIGN (EXPRADS1 13004805)

Prerequisite:	Architectural Design II Teacher Approval Required	Credit:	3	GPA: Tier II
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:	1 - 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.

HONORS INTERIOR DESIGN II (INTERDS2 13004400)

Prerequisite:	Interior Design I, English II, Geometry	Credit:	2	GPA: Tier II
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 has 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.

HONORS PRACTICUM IN INTERIOR DESIGN (PRACIDSN 13004500)

Prerequisite:	Honors Interior Design II, Teacher Approval Required	Credit:	2	GPA: Tier II
Grade Level:	11-12	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.

HONORS EXTENDED PRACTICUM IN INTERIOR DESIGN (PRACIDSN 13004510)

Prerequisite:	Honors Interior Design II, Teacher Approval Required	Credit:	3	GPA: Tier II
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 take 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.

ARTS, AV 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.***

HYBRID PROFESSIONAL COMMUNICATIONS (PROFCOMM 13009900)

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

Hybrid Professional Communications, an innovative high school course that seamlessly integrates remote learning with traditional classroom experiences. 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.***

ANIMATION I (ANIMAT1 13008300)

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

VIDEO GAME DESIGN (VIDGD 13009970)

Prerequisite: None	Credit: 1	GPA: Tier I
Grade Level: 10-12	Trimesters: 1 - 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 (VIDOPR N1300994)

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

This higher-level course will take students from the beginning stages 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	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.

HONORS PRACTICUM IN ANIMATION (PRACANI1 13008450)

Prerequisite: Animation II/Lab Teacher Approval Required	Credit: 2	GPA: Tier II
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.

HONORS EXTENDED PRACTICUM IN ANIMATION (EXPRANI1 13008455)

Prerequisite:	Animation II/Lab Teacher Approval Required	Credit:	3	GPA: Tier II
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 the projects done. 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:	1 - 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	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.

HONORS PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION (PRACGRD1 13009000)

Prerequisite:	Graphic Design II/Lab Teacher Approval Required	Credit:	2	GPA: Tier II
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.

HONORS EXTENDED PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION (EXPRGRD1 13009005)

Prerequisite:	Graphic Design II/Lab Teacher Approval Required	Credit:	3	GPA: Tier II
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.

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.***

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: Audio/Video Production I	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.

HONORS PRACTICUM IN AUDIO/VIDEO PRODUCTION (PRACAVP1 13008700)

Prerequisite: A/V Production II Teacher Approval Required	Credit: 2	GPA: Tier II
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.

HONORS EXTENDED PRACTICUM IN AUDIO/VIDEO PRODUCTION (EXPRAVP1 13008705)

Prerequisite: A/V Production II Teacher Approval Required	Credit: 3	GPA: Tier II
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.

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.

HONORS PRACTICUM IN COMMERCIAL PHOTOGRAPHY (PRACCPH1 13009250)

Prerequisite:	Commercial Photography II Teacher Approval Required	Credit:	2	GPA: Tier II
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.

HONORS EXTENDED PRACTICUM IN COMMERCIAL PHOTOGRAPHY (EXPRCPH1 13009255)

Prerequisite:	Commercial Photography II Teacher Approval Required	Credit:	3	GPA: Tier II
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:	10	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.

FOUNDATIONS OF BUSINESS COMMUNICATION AND TECHNOLOGIES (BIM I) (FDNBUSI 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 apply technical skills to address business applications for emerging technologies. Students will test for Microsoft Office Specialist Certification in Word, Excel, and PowerPoint. ***This course meets the technology requirement for high school graduation.***

HONORS BUSINESS COMMUNICATION AND TECHNOLOGIES (BIM II) (BUSICT 13011500)

Prerequisite: Foundations of Business Communications & Technologies (BIM I) (Recommended) MOS Word Certification	Credit: 1	GPA: Tier II
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 test for Microsoft Office Specialist expert certifications in Word, Excel and Access.

BUSINESS MANAGEMENT (BUSMGMT 13012100)

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

Business Management is designed to familiarize students with the concepts related to business management as well as the functions of management, including planning, organizing, staffing, leading, and controlling. Students will also demonstrate interpersonal and project-management skills.

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.***

HONORS PRACTICUM IN BUSINESS MANAGEMENT (PRACBM 13012200)

Prerequisite: BIM I or Honors BIM II Teacher Approval Required	Credit: 2	GPA: Tier II
Grade Level: 11-12	Trimester: 2 – 2 period block	

This practicum course provides an opportunity for students pursuing a business 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 business field and will be evaluated by the classroom teacher in conjunction with and with feedback from the supervisor from their placement.

HONORS EXTENDED PRACTICUM IN BUSINESS MANAGEMENT (EXPRBM 13012205)

Prerequisite: BIM I or Honors BIM II Teacher Approval Required	Credit: 3	GPA: Tier II
Grade Level: 11-12	Trimester: 3 – 2 period block	

This practicum course provides an opportunity for students pursuing a business 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 business field and will be evaluated by the classroom teacher in conjunction with and with feedback from the supervisor from their placement.

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 I (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.

ENTREPRENEURSHIP II (ENTREP2 N1303423)

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

The purpose of the course is to prepare students with the knowledge and skills needed to become a successful entrepreneur within an innovative marketplace. The goal and outcome of the course is for students to have their business launched by the end of the course or have the tools necessary to launch and operate their business. Students are encouraged to work in close cooperation with local industry leaders, community members, and educators to develop ideas and objectives, complete a business model canvas, pitch to potential investors, register with governmental agencies, develop their brand identity, and participate in local chamber of commerce meetings and events. The recommended participants are students in the CTE Entrepreneurship program of study, students in grades 11-12, and those interested in starting a business.

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. ***This course meets the technology requirement for high school graduation.***

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.

HONORS PRACTICUM IN MARKETING (PRACMKT1 13034800)

Prerequisite:	One Credit from Marketing Career Cluster; Teacher Approval Required	Credit:	2	GPA: Tier II
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.

HONORS EXTENDED PRACTICUM IN MARKETING (EXPRMKT1 13034805)

Prerequisite: One Credit from Marketing Career Cluster; Teacher Approval Required	Credit: 3 GPA: Tier II
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.

HONORS PRACTICUM IN ENTREPRENEURSHIP (EXPRACENT1 13011121)

Prerequisite: Entrepreneurship I & II; Teacher Approval Required	Credit: 2 GPA: Tier II
Grade Level: 12	Trimesters: 2 - 2 period block

The Practicum in Entrepreneurship provides students the opportunity to experience real-world business problems and opportunities. Students will prepare for an entrepreneurial career in their area of interest in their career cluster and build on and apply the knowledge and skills gained from courses taken in an array of career areas. It is recommended that students are paired with local business owners or employers in their specific industry program of study.

HONORS EXTENDED PRACTICUM IN ENTREPRENEURSHIP (EXPRACENT2 13011122)

Prerequisite: Entrepreneurship I & II; Teacher Approval Required	Credit: 3 GPA: Tier II
Grade Level: 12	Trimesters: 3 - 2 period block

The Practicum in Entrepreneurship provides students the opportunity to experience real-world business problems and opportunities. Students will prepare for an entrepreneurial career in their area of interest in their career cluster and build on and apply the knowledge and skills gained from courses taken in an array of career areas. It is recommended that students are paired with local business owners or employers in their specific industry program of study.

EDUCATION AND 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.***

INSTRUCTIONAL PRACTICES (INPRAC 13014400)

Prerequisite: One Credit from Education and Training Career Cluster	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. ***This course meets the technology requirement for high school graduation.***

HONORS PRACTICUM IN EDUCATION AND TRAINING (PRACEDT1 13014500)

Prerequisite: Instructional Practices Teacher Approval Required	Credit: 2 GPA: Tier II
Grade Level: 12	Trimesters: 2 - 2 period block

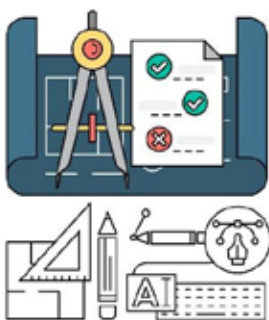
This field-based internship continues to provide students with background knowledge in child and adolescent development principles as well as principles of effective teaching. Students will work under the joint direction and supervision of both their teacher at the BCTEA and a teacher at the elementary 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.

HONORS EXTENDED PRACTICUM IN EDUCATION AND TRAINING (EXPREDT1 13014505)

Prerequisite: Instructional Practices Teacher Approval Required	Credit: 3 GPA: Tier II
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.

ENGINEERING

**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. ***This course meets the technology requirement for high school graduation.***

ENGINEERING DESIGN & PRESENTATION I (ENGDSPI 13036500)

Prerequisite:	Algebra I and 1 credit in a course from the Engineering Career Cluster	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. ***This course meets the technology requirement for high school graduation. An accelerated class with Tier II GPA is available for qualified students.***

HONORS ENGINEERING DESIGN & PRESENTATION II (ENGDSPII 13036600)

Prerequisite:	Engineering Design and Presentation I and Geometry	Credit:	2	GPA: Tier II
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 Inventor Professional, and use the advanced features of the software.

HONORS AEROSPACE I (SCIRD 13037200)

Prerequisite: Biology, Chemistry, IPC 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.***

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, Biology, and Minimum One Science Credit from the Engineering Career Cluster	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.***

21

HONORS PRACTICUM IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (PRCSTEM1 13037400)

Prerequisite: Algebra I, Geometry, and Minimum of Two Courses in Engineering Career Cluster Teacher Approved 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: Algebra I, Geometry, and Minimum of Two Courses in Engineering Career Cluster Teacher Approved 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.

HONORS INTRO TO UNMANNED AERIAL VEHICLES (PRINUAV N1304670)

Prerequisite: Biology, Chemistry, IPC or Physics recommended (can be concurrent)	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.***

HEALTH SCIENCE



PRINCIPLES OF HEALTH SCIENCE (PRINHLSC 13020200)

Prerequisite: None	Credit: 1 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 two trimesters fulfills the health graduation requirement.**

MEDICAL TERMINOLOGY (MEDTERM 13020300)

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

An asynchronous 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.

HONORS HEALTH SCIENCE THEORY/CLINICAL ROTATION (HLSCLIN 13020410)

Prerequisite: Principles of Health Science, Biology Teacher Approval Required	Credit: 2 GPA: Tier II
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. This course meets the technology requirement for high school graduation.**

HONORS HEALTH SCIENCE THEORY/CLINICAL SITE (HLSCLIN 13020410)

Prerequisite: Principles of Health Science, Biology, Teacher Approval Required <i>Student must provide their own transportation</i>	Credit: 2 GPA: Tier II
Grade Level: 11-12 (must be 17 years old)	Trimesters: 2 - 2 period block

This course is designed to provide for the development of extended knowledge and skills related to a practical 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.** *This course meets the technology requirement for high school graduation.*

HEALTH SCIENCE THEORY FIRE ACADEMY (HLTHSCI 13020400)

Prerequisite: Principles of Health Science or Principles of Law & Public Safety (recommended) HS/LPS 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. *This course meets the technology requirement for high school graduation.*

DISASTER RESPONSE (Fire Academy) (DISRESP N1303011)

Prerequisite: HS/LPS 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!

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

Prerequisite: Principles of Health Science/ fee for study guide and practice tests required Recommended: Anatomy & Physiology 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 to meet the vaccination and testing requirements set by our healthcare partners.** *Students are expected to take the Certified Patient Care Technician examination. This course meets the technology requirement for high school graduation.*

HONORS PHARMACOLOGY (PHARMC 13020950)

Prerequisite: Principles of Health Science, Biology, and Chemistry+ 1 credit from Health Science Career Cluster Level II or higher. 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.*

HONORS PRACTICUM IN HEALTH SCIENCE *PHLEBOTOMY* (PRACHLS1 13020500)

Prerequisite: Health Science Theory & Biology, Fee Required; 17 years of age Teacher Approval Required	Credit 2 GPA: Tier II
Grade Level: 12	Trimesters: 2 - 2 period block

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. *Students must provide their own transportation. Students are expected to take the Certified Phlebotomy Technician examination.*

DUAL CREDIT HONORS EXTENDED PRACTICUM IN HEALTH SCIENCE *FIRE ACADEMY-TCC* (EXPRHLS1 13020505)

Prerequisite: Health Science Theory/Fire Academy, Disaster Response; Fee required Fire Academy Teachers Approval Required Meet district TSI and TCC Enrollment Requirements	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 will take the EMT course through TCC and must earn a final grade of 70 to get the Continuing Education credit for this course. 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. *Students are expected to take the National Certification exam to become a certified EMT. This course meets the technology requirement for high school graduation.*

HONORS MEDICAL MICROBIOLOGY (MICRO 13020700)

Prerequisite: Biology and Chemistry + 1 credit in Health Science Career Cluster Level II or higher. Teacher Approval Required	Credit: 1 GPA: Tier II
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. *This course meets a science credit for high school graduation.*

HONORS PATHOPHYSIOLOGY (PATHO 13020800)

Prerequisite: Biology and Chemistry+ 1 credit from Health Science Career Cluster Level II or higher. Recommended: Anatomy & Physiology Teacher Approval Required	Credit: 1 GPA: Tier II
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. ***This course meets a science credit for high school graduation.***

ANATOMY AND PHYSIOLOGY (ANATPHYS 13020600)

Prerequisite: Biology and a 2 nd Science Credit	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 and a second science credit; Teacher Approval Required	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	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. ***This course meets the technology requirement for high school graduation.***

HONORS PRACTICUM IN CULINARY ARTS (PRACCUL1 13022700)

Prerequisite:	Culinary Arts; Teacher Approval Required	Credit:	2	GPA: Tier II
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.

HONORS EXTENDED PRACTICUM IN CULINARY ARTS (EXPRCUL1 13022705)

Prerequisite:	Culinary Arts; Teacher Approval Required	Credit:	3	GPA: Tier II
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 (CHILDDDEV 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:	None	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: Teacher Approval Required	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 meets the technology requirement for high school graduation.***

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.

HONORS PRACTICUM IN HUMAN SERVICES (PRACHUS1 13025000)

Prerequisite: Principles of Human Services+ 1 credit from Human Service Career Cluster Level II or higher. Teacher Approval Required	Credit: 2	GPA: Tier II
Grade Level: 11-12	Semesters/Trimesters: 2 – 2 period block	

This practicum course provides an opportunity for students pursuing a human services 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 human services field and will be evaluated by the classroom teacher in conjunction with and with feedback from the supervisor from their placement.

HONORS EXTENDED PRACTICUM IN HUMAN SERVICES (EXPRHUS1 13025005)

Prerequisite: Principles of Human Services+ 1 credit from Human Service Career Cluster Level II or higher. Teacher Approval Required	Credit: 3	GPA: Tier II
Grade Level: 11-12	Semesters/Trimesters: 3 – 2 period block	

This practicum course provides an opportunity for students pursuing a human services 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 human services field and will be evaluated by the classroom teacher in conjunction with and with feedback from the supervisor from their placement.

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

Prerequisite: Interest Inventory, Fee Requirement, Two Year Commitment Teacher Approval Required	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. ***This course meets the technology requirement for high school graduation. 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, Fee Requirement, Two Year Commitment Teacher Approval Required	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



COMPUTER SCIENCE I (TACS1 03580200)

Prerequisite: Algebra I	Credit: 1	GPA: Tier I
Grade Level: 10-12	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, Algebra I or Fundamentals of Computer Science; 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 concerning computer programming. Students will apply their technical skills to address business applications of emerging technologies.

AdvAc COMPUTER SCIENCE I (TACS1 03580200)

Prerequisite: Algebra I	Credit: 1	GPA: Tier II
Grade Level: 10 - 12	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:	Algebra I	Credit:	1	GPA: Tier III
Grade Level:	9 th grade at Euless Junior High only; 10-12	Semesters/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 – TCC (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 DIGITAL SOCIETY-SL AND HL (IBITGSL I3580400) (IBITGSHL I3580500)

Prerequisite:	IB Diploma Candidate	Credit:	1 – 1 ½	GPA: Tier III
Grade Level:	11 - 12	Trimesters:	2 - 3	

The Digital Society (DS) course invites students and teachers to explore the impacts and implications of digital systems for people and communities in diverse real-world context. Rooted in the interdisciplinary perspectives and skills of the social sciences and humanities, the course develops attributes of the IB learner profile while preparing students for further study in a variety of fields and professions. DS aims to empower students to become citizens who not only participate in digital society but lead it as well. Students will understand key characteristics of technology including, but not limited to data, algorithms, computers, networks and internet, media, Artificial Intelligence, robots and autonomous technologies within the context of cultural, economic, environmental, health, human knowledge, political and social realms. ***Students enrolled in this course are required to take the appropriate IB examination.***

NETWORKING (NETWRK 13027400)

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

Students 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 prepare to take 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: Principles of Information Technology (Recommended)	Credit: 1	GPA: Tier I
Grade Level: 10 - 11	Trimesters: 2	

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.

HONORS PRACTICUM IN INFORMATION TECHNOLOGY (PRACIT1 13028000)

Prerequisite: Minimum of 2 - IT courses Teacher approval required	Credit: 2	GPA: Tier II
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.

HONORS EXTENDED PRACTICUM IN INFORMATION TECHNOLOGY (EXPRIT1 13028005)

Prerequisite: Minimum of 2 - IT courses Teacher approval required	Credit: 3	GPA: Tier II
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.

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.

FOUNDATIONS OF CYBERSECURITY (TAFICYB 03580850)

Prerequisite: None	Credit: 1	GPA: Tier I
Grade Level: 9 Hurst Junior High 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	Credit: 1	GPA: Tier II
Grade Level: 12	Trimesters: 1 - 2 period block	

This course presents an overview of the principles and practices of digital investigation. The objective of this class is to emphasize the fundamentals and importance of digital forensics.

CYBERSECURITY CAPSTONE (TACYBCAP 03580855)

Prerequisite: Two High School Cybersecurity Courses; Teacher Approval Required	Credit: 1	GPA: Tier I
Grade Level: 12	Trimesters: 1 - 2 period block	

In the Cybersecurity Capstone course, students will develop the knowledge and skills needed to explore advanced concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will develop security policies to mitigate risks. The skills obtained in this course prepare students for additional study toward industry certification.

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

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. ***This course meets the technology requirement for high school graduation.***

LAW ENFORCEMENT I ROTATION OR 911 DISPATCH (LAWENF1 13029300)

Prerequisite: Principles of Law, Public Safety, Corrections and Security or Disaster Response Teacher Approval Required	Credit: 1 GPA: Tier I
Grade Level: 11-12 (must be 17 years old)	Trimester: 1 - 2 period block

The Law and Public Service 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! ***This course meets the technology requirement for high school graduation.***

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.

HONORS PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY (PRACTLPS1 13030100)

Prerequisite: Minimum of Two Law and Public Service Courses with 1 credit being from Law & Public Service Career Cluster Level II or higher. Teacher Approval Required	Credit: 2 GPA: Tier II
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.***

HONORS EXTENDED PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY (EXPRLPS1 13030105)

Prerequisite: Minimum of Two Law and Public Service Courses with 1 credit being from Law & Public Service Career Cluster Level II or higher. Teacher Approval Required	Credit: 3 GPA: Tier II
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: Biology + 1 credit in Chemistry, IPC, or Physics	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 compete 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 work to program and enhance their robots in a project-based environment. ***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:	9-CJH only	Trimesters:	1 - 2 period block	

Students enrolled in this course will demonstrate knowledge and skills in robotics. Students will also explore more in-depth uses of robotics and investigate career opportunities. Students will have the opportunity to test for an industry-based certification. ***This course meets a technology credit for high school graduation.***

HONORS ROBOTICS II (ROBOTIC2 13037050)

Prerequisite: Robotics I & Computer Science 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 competition tasks. ***This course meets requirements for a fourth math credit for high school graduation.***

INTRODUCTION TO WELDING (INTRWELD 13032250)

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

Students enrolled in this course will be introduced to the various types of welding methods and equipment used. Students will learn about personal protection and safety while operating welding equipment. Students will also be introduced to two different types of thermal cutting using both plasma and oxy/fuel equipment.

WELDING I (WELD 13032300)

Prerequisite: Introduction to Welding; Teacher Approval Required	Credit: 2 GPA: Tier I
Grade Level: 11-12	Trimesters: 2 - 2 period block

Welding is a course designed to familiarize students with the knowledge, skills, and career opportunities in the welding trade. Emphasis is placed on technical and practical applications of shielded metal arc welding, flux core arc welding, gas metal arc welding, gas tungsten arc welding and oxyfuel-acetylene cutting processes as well as safety, weld testing, and the effects of welding heat on metals. Students will also gain the skills to read and interpret shop and structural drawings and prints with emphasis placed on structural shape identification, nomenclature and weld symbols. ***This course meets the technology requirement for high school graduation.***

WELDING II (WELD2 13032400/WELSLAB2 13032410)

Prerequisite: Welding I Teacher Approval Required	Credit: 2 or 3 GPA: Tier I
Grade Level: 11-12	Trimesters: 2 - 2 period block or 3-2 period block

This course is designed to meet the needs of the advanced student welder working towards welding certification requirements. This course will involve many advanced skills and techniques used in stick, mig, and flux cored arc welding in vertical and overhead welding positions as well as multi-pass groove and pipe welding to meet AWS requirements.

HONORS PRACTICUM IN MANUFACTURING (PRACMAN 13033000)

Prerequisite: Minimum of Two Manufacturing Courses with 1 credit being from the Manufacturing Career Cluster Level II or higher. Teacher Approval Required	Credit: 2 GPA: Tier II
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: Minimum of Two Manufacturing Courses with 1 credit being from the Manufacturing Career Cluster Level II or higher. Teacher Approval Required	Credit: 3 GPA: Tier II
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 passes the two previous Honors Robotics courses.

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. ***This course meets the technology requirement for high school graduation.***

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.

HONORS PRACTICUM IN TRANSPORTATION SYSTEMS (PRACTRS1 13040450)

Prerequisite: Two Credits in Transportation, Distribution and Logistics Career Cluster recommended; Teacher Approval Required	Credit: 2 GPA: Tier II
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.

HONORS EXTENDED PRACTICUM IN TRANSPORTATION SYSTEMS (EXPRTRS1 130340455)

Prerequisite: Two Credits in Transportation, Distribution and Logistics Career Cluster recommended; Teacher Approval Required	Credit: 3 GPA: Tier II
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.



2024-2025*

[illegible]

158

HEB ISD CTE HAS GONE MOBILE!



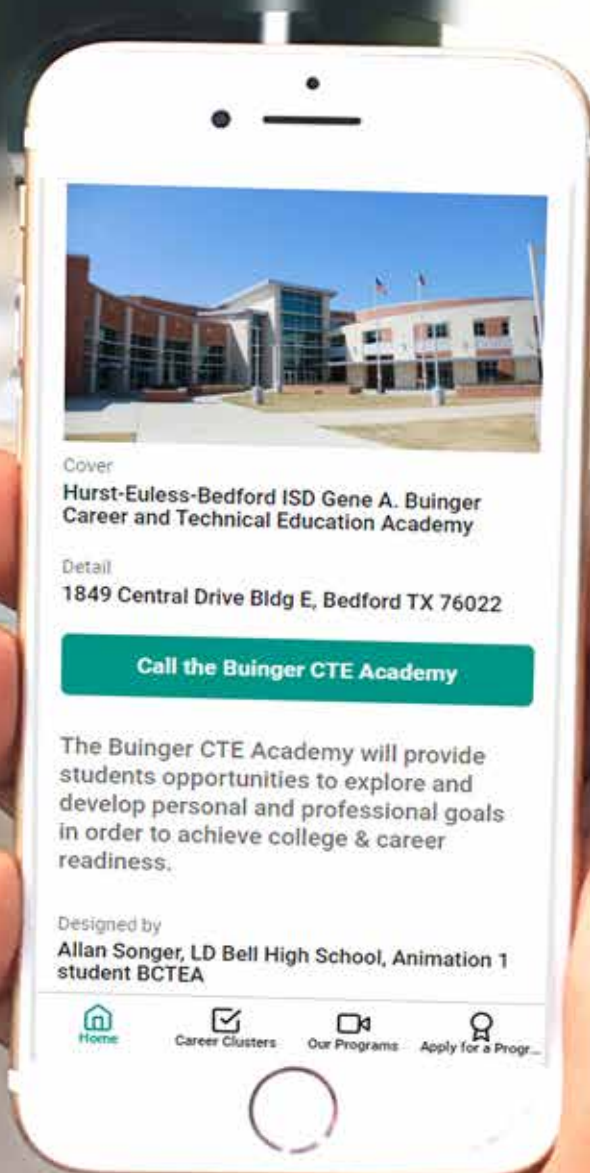
Apply for programs



Find what courses are offered



Take a video tour of the Buinger CTE Academy



SCAN TO OPEN APP

COURSE INFORMATION

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. Writing assignments include single and multi-paragraph compositions of a variety of types, including literary analysis, informational, argumentative, and correspondence. 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 literary analysis and research skills, 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 assignments focus on literary analysis and research skills.

HYBRID ENGLISH IV (ENG 4 03220400)

Prerequisite:	English III; Completion of the College, Career, & Military Readiness Component (CCMR)	Credit:	1	GPA: Tier I
Grade Level:	12	Trimesters:	2	

Hybrid English IV, an innovative high school course that seamlessly integrates remote learning with traditional classroom experiences. 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 ISD 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 ISD 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 ; Touch System Data Entry (Recommended)	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. **This course does not meet NCAA eligibility for a fourth English credit.**

DUAL CREDIT ENGLISH IV - TCC (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.

ENGLISH LANGUAGE ARTS - JOURNALISM AND MEDIA PUBLICATIONS

DUAL CREDIT ENGLISH IV-McMurry (IND ENG 03221800)

Prerequisite: English III; Admission to district approved college; Counselor Approval	Credit: .5 through McMurry, 1 through continuation with TCC	GPA: Tier II
Grade Level: 12	Trimesters: 1	

Qualified students may take specific college English courses offered by district-approved college 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 as a prerequisite for English Composition II. English Composition I will count as Independent Study in English credit on the student transcript. After successful completion, the student will be able to enroll in English Composition II at TCC which will count as English 4A on the student transcript then British Literature I at TCC will count as English 4B on the student transcript. **THE STUDENT MUST PAY ALL MCMURRY COURSE EXPENSES.** A minimum final course grade of 70 must be earned on each English course to continue eligibility for concurrent enrollment in dual credit English courses.

TEXAS COLLEGE BRIDGE ENGLISH (CP CP110100)

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

Texas College Bridge courses are individualized, self-paced and teacher facilitated — allowing students to focus on the skills they need to build and skip those they have already mastered, with teacher support along the way. Once successfully completed, at the time of high school graduation, students can earn a TSI exemption at more than 90 partner colleges and universities across the state. Once completed, students can be ready for college-level English.

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	

Journalism students study the history and contemporary role of mass print media in the USA. Students have the opportunity to study all types of journalistic writing, edit copy using appropriate copy reading and proofreading symbols, understand the elements of news, and develop journalistic style.

ADVANCED JOURNALISM/MEDIA PUBLICATIONS I-III

Prerequisite:	Journalism I or Sponsor Approval-Courses must be taken sequentially.	Credit:	½ -3	GPA: Tier I
Grade Level:	9-12	Semesters/Trimesters:	1-6	

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.*

LEXIA LITERACY (READ 1 03270700)

Prerequisite:	HEB Placement Process	Credit:	½-1	GPA: Tier I
Grade Level:	9	Semesters/Trimesters:	1-2	

The aim of this course is to build foundational reading skills for the students reading several grades below their current grade level. In this new Lexia Literacy class, students can receive individualized instruction that will increase their decoding, fluency, and comprehension so they can become more proficient readers in all subjects, in standardized testing situations, and in life.

SPEECH

PROFESSIONAL COMMUNICATIONS (PROFCOMM 13009900)

Prerequisite: None	Credit: ½	GPA: Tier I
Grade Level: 8-12	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.***

HYBRID PROFESSIONAL COMMUNICATIONS (PROFCOMM 13009900)

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

Hybrid Professional Communications, an innovative high school course that seamlessly integrates remote learning with traditional classroom experiences. 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.***

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 - TCC (COMMAPP 03241400)

Prerequisite: 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	Credit: ½	GPA: Tier II
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. ***THE STUDENT MUST PAY ALL TCC COURSE EXPENSES. This course meets the speech requirement for high school graduation.***

DUAL CREDIT PUBLIC SPEAKING-MCMURRY (03240900)

Prerequisite: Admission to district-approved college; Counselor Approval	Credit: ½	GPA: Tier II
Grade Level: 10-12	Trimester: 1	

Qualified students may take this specific course offered by a district-approved college and earn both high school and college credit. Introduction to Public Speaking 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. ***This course meets the speech requirement for high school graduation. THE STUDENT MUST PAY ALL MCMURRY COURSE EXPENSES.*** A minimum final course grade of 70 must be earned on each ELA course to continue eligibility for concurrent enrollment in dual credit ELA courses.

ORAL INTERPRETATION I (ORALINT1 3240200)

Prerequisite:	Debate Recommended	Credit:	½	GPA: Tier I
Grade Level:	10-12	Trimesters:	1	

Students in Oral Interpretation will select, research, analyze, adapt, interpret, and perform literary texts as a communication art. Literature and its presentation are integral to understanding the cultural aspects of a society. Students focus on intellectual, emotional, sensory, and aesthetic levels of texts to attempt to capture the entirety of the author's work. Individual or group performances of literature will be presented and evaluated. Oral Interpretation is an extension of a robust debate program. It allows students to train in and compete in additional events including Prose, Poetry, Duo/Duet Acting, Humorous/Dramatic Interpretation, Original Oratory, and Program of Interpretation. *Oral Interpretation I meets the speech requirement for high school graduation.*

ORAL INTERPRETATION II (ORALINT2 3240300)

Prerequisite:	Debate Recommended, Oral Interpretation I	Credit:	½	GPA: Tier I
Grade Level:	10-12	Trimesters:	1	

Students in Oral Interpretation II will continue to select, research, analyze, adapt, interpret, and perform literary texts as a communication art. Literature and its presentation are integral to understanding the cultural aspects of a society. Students focus on intellectual, emotional, sensory, and aesthetic levels of texts to attempt to capture the entirety of the author's work. Individual or group performances of literature will be presented and evaluated. Oral Interpretation II is an extension of a robust debate program. It allows students to train in and compete in additional events including Prose, Poetry, Duo/Duet Acting, Humorous/Dramatic Interpretation, Original Oratory, and Program of Interpretation.

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.

ADVANCED ALGEBRA I (ALG 1 03100500)

Prerequisite:	8 th grade math or equivalent	Credit:	1	GPA: Tier II
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. ***This course is only offered at the Collegiate Academy of HEB ISD.***

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. 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 and Higher Level IB Mathematics and AP examinations.

AdvAc GEOMETRY (GEOM 03100700)

Prerequisite:	Masters level on STAAR/Algebra 1 EOC: 95+ in on-level Algebra 1 or Teacher Recommendation	Credit:	1	GPA: Tier II
Grade Level:	10	Semesters:	2	

This course will cover the same elements as those listed for Geometry. 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 and Higher Level IB Mathematics and AP examinations.

MATHEMATICAL MODELS WITH APPLICATIONS (MTHMOD 03102400)

Prerequisite:	Algebra 1 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. 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 Applications and Interpretations examination.

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 or Higher Level IB Mathematics and AP examinations.

PRECALCULUS (PRE CALC 03101100)

Prerequisite:	Algebra II	Credit:	½-1	GPA: Tier II
Grade Level:	11	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. 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 and AP Mathematics.

AP PRECALCULUS (PRE CALC 03101100)

Prerequisite:	AdvAc Algebra II	Credit:	1	GPA: Tier III
Grade Level:	11-12	Trimester:	2	

In AP Precalculus, students explore everyday situations using mathematical tools and lenses. Students build deep mastery of modeling and functions and they examine scenarios through multiple representations. They will learn how to observe, explore, and build mathematical meaning from dynamic systems. AP Precalculus prepares students for other college-level mathematics and science courses. **STUDENTS ARE EXPECTED TO TAKE THE AP EXAM.**

DUAL CREDIT COLLEGE ALGEBRA – TCC (INSTUMTH 03102500)

Prerequisite:	AP Precalculus Admission to district approved college; Counselor Approval; TSI compliant in mathematics	Credit:	½	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 equations using matrices. Additional topics may include sequences, series, probability, and conics. **THE STUDENT MUST PAY ALL TCC COURSE EXPENSES.** 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 CONTEMPORARY MATH-MCMURRY (03102540)

Prerequisite:	Algebra II; Admission to district-approved college; Counselor Approval	Credit:	1	GPA: Tier II
Grade Level:	12	Trimester:	1	

Qualified students may take specific college math courses offered by district-approved college and earn both high school and college credit. Successful completion of Contemporary Math may be counted as a full credit for the fourth required math credit. However, Contemporary Math will count as Advanced Quantitative Reasoning A/B on the student transcript. After successful completion, the student will be able to enroll in College Algebra at TCC which will count on the student transcript as Independent Study in Math. **THE STUDENT MUST PAY ALL MCMURRY COURSE EXPENSES.** A minimum final course grade of 70 must be earned on each Math course to continue eligibility for concurrent enrollment in dual-credit Math courses.

DUAL CREDIT PLANE TRIGONOMETRY – TCC (INSTUMTH 03102500)

Prerequisite: AP 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 TCC COURSE EXPENSES.** 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 – TCC (INSTUMTH 03102500)

Prerequisite: AP 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 TCC COURSE EXPENSES.** 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. **This course meets a fourth math credit for high school graduation.**

ROBOTICS II (ROBOTIC2 13037050)

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

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 work to program and enhance their robots in a project-based environment. **This course meets requirements for a fourth 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 competition tasks. **This course meets requirements for a fourth math credit for high school graduation.**

ADVANCED QUANTITATIVE REASONING (AQR 03102510)

Prerequisite: Geometry and Algebra II	Credit: $\frac{1}{2}$ - 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: AP Precalculus	Credit: 1- $1\frac{1}{2}$ 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:	AP 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.*

TEXAS COLLEGE BRIDGE MATH (CP111200)

Prerequisite:	Algebra I; Geometry; Approved 3 rd mathematics credit; District placement criteria	Credit:	1	GPA: Tier I
Grade Level:	12	Trimesters:	2	

Texas College Bridge courses are individualized, self-paced and teacher facilitated — allowing students to focus on the skills they need to build and skip those they have already mastered, with teacher support along the way. Once successfully completed, at the time of high school graduation, students can earn a TSI exemption at more than 90 partner colleges and universities across the state. Once completed, students can be ready for college-level math.

STAAR MATH (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:	1-2	

Remediation of state curriculum objectives as per student need is the focus.

MATH COURSE SEQUENCING				
Grade Level	Sequence 1	Sequence 2	Sequence 3	Sequence 4
8 th	8 th Grade Math		AdvAc Algebra 1	
9 th	Algebra I	Algebra I	AdvAc Geometry	AdvAc Geometry
10 th	Geometry	Geometry	Algebra II	AdvAc Algebra II
11 th	Algebraic Reasoning or Math Models	Algebra II	Precalculus	AP Precalculus
12 th	Algebra II	One of the following: Precalculus AQR IB Math App. & Interp. SL Engineering Math	One of the following: AQR Engineering Math Dual Credit Math AP Statistics IB Math App. & Interp. SL 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.**

DUAL PATHWAYS TO SUCCESS/PATHWAYS TO SUCCESS (N1130021)

Prerequisite:	N/A	Credit:	1	GPA: Tier II
Grade Level:	9	Semester:	2	

A study of the research and theory in the psychology of learning, cognition, and motivation, factors that impact learning, and application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners.

Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners and teachers. Students developing these skills should be able to continually draw from the theoretical models they have learned. The course examines factors that underlie learning, success, and personal development in higher education. Techniques of study such as time management, listening and note taking, text marking, preparing for examinations, and utilizing learning resources are covered. Skills will apply to all disciplines. **This course is only offered at the Collegiate Academy of HEB ISD.**

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.

NAVAL RESERVE OFFICERS TRAINING CORP I (NJROTCI) Begins 2025-2026 (ROTC 03160100) (SUBJ1 PES00004)

Prerequisite: Teacher Approval Required	Credit: 1-1 ½	GPA: Tier I
Grade Level: 9-10	Trimesters: 2-3	

The purpose of this class is to introduce students to the meaning of citizenship, the elements of leadership, and the value of scholarship in attaining life goals; promote an awareness of the importance of a healthy lifestyle, including physical fitness, a proper diet, and controlling stress; drug awareness; provide the principles of health and first aid, geography and survival skills and an overview of Naval ships and aircraft. These elements are pursued at the fundamental level. Includes introduction to the NJROTC program; introduction to Leadership, Citizenship and the American Government; introduction to Wellness, Fitness, and First Aid to include diet, exercise and drug awareness, introduction to Geography, Orienteering, Survival and Map Reading Skills; Financial Skills and introduction to the U. S. Navy. In grades 10-11, PE credit is given in the Spring trimester only. Eligibility requirements: Students must be physically qualified to participate fully in the physical education program; Students will be selected by the NJROTC instructor w/ the approval of the school principal; Maintain acceptable standards of conduct; Comply with specified personal grooming standards as designated by the US Navy; Maintain acceptable standards of academic achievement and an academic standing that warrants at least normal progression leading to graduation.

NAVAL RESERVE OFFICERS TRAINING CORP II (NJROTC2) Begins 2025-2026 (ROTC 03160200) (SUBJ1 PES00004)

Prerequisite: NJROTC1, Teacher Approval Required	Credit: 1-1 ½	GPA: Tier I
Grade Level: 10-12	Trimesters: 2-3	

The purpose of this course is to build on the general introduction provided in Naval Science 1, to further develop the traits of citizenship and leadership, and to introduce cadets to the technical areas of naval science and the role of the U. S. Navy in maritime history and the vital importance of the world's oceans to the continued well-being of the United States. Includes ongoing instruction into Leadership; introduction to Maritime History, including the American Revolution, Civil War, the rise of the U. S. to world power status, World Wars 1 and 2, the Cold War Era and the 1990s and beyond; introduction to Nautical Sciences to include Maritime Geography, Oceanography, Meteorology, Astronomy, and Physical Sciences. In grades 10-11, PE credit is given in the Spring trimester only.

Eligibility requirements: Students must be physically qualified to participate fully in the physical education program; Students will be selected by the NJROTC instructor w/ the approval of the school principal; Maintain acceptable standards of conduct; Comply with specified personal grooming standards as designated by the US Navy; Maintain acceptable standards of academic achievement and an academic standing that warrants at least normal progression leading to graduation.

SPORTS MEDICINE I (SPORT MD1 N1150040)

Prerequisite: None	Credit: 1	GPA: Tier I
Grade Level: 9-12	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: 10-12	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.

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: 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.

DUAL INTRODUCTION TO PHYSICAL FITNESS AND WELLNESS (LIFEFIT PES0051)

Prerequisite: N/A	Credit: 1	GPA: Tier II
Grade Level: 9	Semesters: 1	

This course will provide an overview of the lifestyle necessary for fitness and health. Students will participate in physical activities and assess their fitness status. Students will be introduced to proper nutrition, weight management, cardiovascular health, flexibility, and strength training. Includes: Scientific information concerning values and preventive medical benefits of exercise, Individual (personal) evaluations and experiments to determine present health fitness status. Development of a personal exercise program based on student's needs. ***This course is only offered at the Collegiate Academy of HEB ISD.***

HYBRID HEALTH EDUCATION (HLTH ED 03810100)

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

Hybrid Health, an innovative high school course that seamlessly integrates remote learning with traditional classroom experiences. 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.

FOUNDATIONS OF PERSONAL FITNESS (PEFOUND PES00052)

Prerequisite: None	Credit: ½-1	GPA: 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: 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: 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: 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; AdvAc Chemistry (Taken Concurrently)	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.***

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 03040000)

Prerequisite:	1 credit of High School Science and Algebra I	Credit:	1	GPA: Tier II
Grade Level:	10-12	Trimesters:	2	

In AdvAc 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.

EARTH SYSTEMS (ESS 03060200)

Prerequisite:	3 units of Science and 3 units of Math (can be taken concurrently)	Credit:	1 GPA: Tier I
Grade Level:	12	Trimesters:	2

The Earth Systems Science course is designed to build on students' prior scientific and academic knowledge and skills to develop their understanding of Earth's systems. These systems (the atmosphere, hydrosphere, geosphere, and biosphere) interact through time to produce the Earth's landscapes, climate, and resources. Students explore the geologic history of individual dynamic systems through the flow of energy and matter, their current states, and how these systems affect and are affected by human use.

ENVIRONMENTAL SYSTEMS (ENVIRSYS 03020000)

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.

FORENSIC SCIENCE (FORENSCI 13029500)

Prerequisite:	Biology and 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. Class may be held at the Buinger Career and Technical Academy.*

PHYSICS (PHYSICS 03050000)

Prerequisite:	Can be concurrent with Algebra I or Geometry	Credit:	1	GPA: Tier I
Grade Level:	11-12 (10 th with Teacher Approval)	Trimesters:	2	

Students conduct laboratory and field investigations, use scientific practices, and make informed decisions using critical thinking and scientific problem solving as they observe, predict, control, calculate, and measure their interactions with the physical world using mathematical derivations and computations. Students study a variety of topics that include: laws of motion, changes within physical systems and conservation of energy and momentum, forces, characteristics and behavior of waves, and electricity and magnetism.

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 One Science Credit from the STEM Career Cluster	Credit:	1	GPA: Tier I
Grade Level:	10-12	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. Class may be held at the Buinger Career and Technical Academy.***

AP PHYSICS 1, 2, C (AP PHYSICS1 A3050003) (AP PHYSICS2 A3050004) (AP-PHYSC A3050002)

Prerequisite:	AdvAc Physics or Teacher Approval	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.***

HONORS AEROSPACE I (SCIRD 13037200)

Prerequisite:	Biology, Chemistry, IPC or Physics (can be taken 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. Class may be held at the Buinger Career and Technical Academy.***

ANATOMY AND PHYSIOLOGY (ANATPHYS 13020600)

Prerequisite: Biology and a second science credit	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. Class may be held at the Buinger Career and Technical Academy.

HONORS ANATOMY AND PHYSIOLOGY (ANATPHYS 13020600)

Prerequisite: Biology and a second science credit; Teacher Approval Required	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. Class may be held at the Buinger Career and Technical Academy.*

DUAL CREDIT ANATOMY AND PHYSIOLOGY – TCC (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.*

DUAL CREDIT PRINCIPLES OF BIOLOGY WITH LAB - MCMURRY (03060300)

Prerequisite: Biology, Chemistry, Physics, (concurrently enrolled in 4th science); Admission to district-approved college; Counselor Approval Required	Credit: 1	GPA: Tier II
Grade Level: 12	Trimesters: 1	

Qualified students may take specific college science courses offered by district-approved college and earn both high school and college credit. Successful completion of Principles of Bio with Lab may be counted as a full credit for an elective. Principles of Bio with Lab will count as Independent Study in Science on the student transcript. *THE STUDENT MUST PAY ALL MCMURRY COURSE EXPENSES.* A minimum final course grade of 70 must be earned on each Science course to continue eligibility for concurrent enrollment in dual-credit Science courses.

HONORS MEDICAL MICROBIOLOGY (MICRO 13020700)

Prerequisite: Biology and Chemistry; Teacher Approval Required	Credit: 1	GPA: Tier II
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. *This course meets a science credit for high school graduation. Class may be held at the Buinger Career and Technical Academy.*

HONORS PATHOPHYSIOLOGY (PATHO 13020800)

Prerequisite: Biology and Chemistry; Teacher Approval Required	Credit: 1	GPA: Tier II
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. *This course meets a science credit for high school graduation. Class may be held at the Buinger Career and Technical Academy.*

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. THIS COURSE WILL NO LONGER BE AVAILABLE BEGINNING IN 2025-2026.**

AP HUMAN GEOGRAPHY STUDIES (APHUMGEO A3360100)

Prerequisite:	HEB ISD 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.**

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 ISD 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 ISD 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.**

DUAL CREDIT U.S. HISTORY- TARLETON STATE (US HIST 03340100)

Prerequisite:	Counselor Approval	Credit:	1	GPA: Tier II
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. **THE STUDENT MUST PAY ALL TARLETON STATE COURSE EXPENSES. A minimum final course grade of 70 must be earned on each Social Studies course to continue eligibility for concurrent enrollment in dual-credit Social Studies courses.**

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.

HYBRID UNITED STATES GOVERNMENT (US GOVT 03330100)

Prerequisite:	Completion of the College, Career, and Military Readiness Component (CCMR).	Credit:	½	GPA: Tier I
Grade Level:	12 or 11 with teacher approval	Trimesters:	1	

Hybrid Government, an innovative high school course that seamlessly integrates remote learning with traditional classroom experiences. 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 ISD 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 – TCC (US GOVT 03330100)

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.

DUAL CREDIT UNITED STATES GOVERNMENT – MCMURRY (US GOVT 03330100)

Prerequisite:	Admission to district approved college; Counselor Approval Required	Credit:	½	GPA: Tier II
Grade Level:	12	Trimesters:	1	

Qualified students may take specific college science courses offered by district-approved college and earn both high school and college credit.

Successful completion of Government may be counted as a half credit for the government requirement. **THE STUDENT MUST PAY ALL MCMURRY COURSE EXPENSES.** A minimum final course grade of 70 must be earned on each Social Studies course to continue eligibility for concurrent enrollment in dual credit Social Studies courses.

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.

HYBRID ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM AND ITS BENEFITS (ECO-FE 03310300)

Prerequisite:	Completion of the College, Career, and Military Readiness Component (CCMR)	Credit:	½	GPA: Tier I
Grade Level:	12	Trimesters:	1	

Hybrid Economics, an innovative high school course that seamlessly integrates remote learning with traditional classroom experiences. 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.

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.

PERSONAL FINANCIAL LITERACY/ECONOMICS (PFLECO 03380083)

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

The Personal Financial Literacy and Economics Course emphasizes the economic way of thinking, which serves as a framework for the personal financial decision-making opportunities introduced in the course. Students will demonstrate the ability to anticipate and address financial challenges as these challenges occur over their lifetime. In addition, students are introduced to common economic and personal financial planning terms and concepts. As a result of learning objective concepts and integrating subjective information, students gain the ability to lead productive and financially self-sufficient lives. ***This class counts toward the economics requirement for graduation. If you take this class you are not allowed to receive credit for PERSONAL FINANCIAL LITERACY (PFL 03380082) if you wanted to take that as an elective. This class does not count towards NCAA requirements.***

AP ECONOMICS (APMACECO A3310200)

Prerequisite:	HEB ISD Placement Process	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 – TCC (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.***

DUAL CREDIT ECONOMICS – MCMURRY (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 specific college science courses offered by district-approved college and earn both high school and college credit. Successful completion of Economics may be counted as a half credit for the economics requirement. ***THE STUDENT MUST PAY ALL MCMURRY COURSE EXPENSES.*** A minimum final course grade of 70 must be earned on each Social Studies course to continue eligibility for concurrent enrollment in dual-credit Social Studies courses.

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.**

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.

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 I ACCELERATED (ART 1 03500100)

Prerequisite: None	Credit: 1	GPA: Tier I
Grade Level: 9-12	Semesters/Trimesters: 1	

This course is an accelerated visual arts course offering high school Art 1 credit for students who successfully meet the rigorous expectations of this course. Expectations for this accelerated course will be to study elements of 2D and 3D art and may include drawing, painting, printmaking, sculpture and ceramics. Enhanced production and exhibition will be expected. The intent of this course is to prepare art students for Visual Art II-IV. (Not offered on all campuses)

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 035019000, 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.**

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.**

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 and 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. **The student must pay all TCC course expenses.**

DANCE

COLORGUARD I-IV (SUBMB PES00012, DANCE I-III 03830100-03830200-03830300)

Prerequisite: Audition required	Credit: ½ -1	GPA: Tier I
Grade Level: 9-12	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 sabers, 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: 9-12	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: 10-12	Trimesters: 1-6	

Dance II, III, and IV students will further develop the skills, knowledge, and concepts introduced in Dance I.

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.

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 physicalizing 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.

DUAL THEATRE APPRECIATION (TH1 03250100)

Prerequisite:	None	Credit:	1	GPA: Tier II
Grade Level:	9	Semesters:	1	

Theatre Appreciation covers a survey of theatre, including history, dramatic works, stage techniques, production procedures, and its relation to other art forms. Participation in productions may be required. *This course is only offered at the Collegiate Academy of HEB ISD.*

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.

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.**

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.

ARABIC II NATIVE SPEAKERS (ARABIC 2 03110200)

Prerequisite:	HEB ISD Placement Process	Credit:	1	GPA: Tier II
Grade Level:	10-12	Semesters/Trimesters:	2	

Arabic II Native Speaker is designed for the heritage learner. Students will focus on improving their oral communicative skills as well as their reading and writing skills. Students will gain proficiency in Arabic by expressing themselves on varied topics in more complex ways. The class will be taught almost exclusively 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.

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 II; HEB ISD 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 novice high to intermediate low 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 II; HEB ISD 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 ISD 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.**

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 novice high to intermediate low 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 ISD 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.***

AdvAc HINDI II (HINDI II 03520200)

Prerequisite:	Hindi I	Credit:	1	GPA: Tier II
Grade Level:	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.

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.

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 ISD 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 novice high to intermediate low 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 ISD 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 ISD 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.*

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 I 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)

BLENDED ENVIRONMENTAL SYSTEMS (ENVIRSYS 03020000)

Prerequisite: Meeting	Diagnostic Evaluation & ARD Committee	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.

APPLIED EARTH AND SPACE SCIENCE (ESS 03060200)

BLENDED EARTH AND SPACE SCIENCE (ESS 03060200)

Prerequisite: Meeting	Diagnostic Evaluation & ARD Committee	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 Earth's systems in space and time and how these systems interact with each other.

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.

PRACTICAL ECONOMICS AND FREE ENTERPRISE (ECON-FR 03310300)

PERSONAL ECONOMICS AND FREE ENTERPRISE (ECON-FR 03310300)

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 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 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/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:	½ -1 ½
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:	½-1 ½
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.

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.

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.

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 PUBLIC NOTIFICATION AND NON-DISCRIMINATION 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-Euleless-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-Euleless-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.

For information about your rights or grievance procedures, contact Title IX Coordinator, Luke DeFilippis at lukedefilippis@hebisd.edu, 817-283-4461 and/or the Section 504 Coordinator, Fritzie Odom at fritzieodom@hebisd.edu, 817-283-4461. More information is located online at [HEB ISD website](#).

CAREER AND TECHNICAL EDUCATION PROGRAM

Hurst Euleless Bedford ISD
Annual Public Notification of Nondiscrimination
2025-2026

Hurst -Euleless-Bedford ISD offers career and technical education programs in Architecture & Construction, Arts, A/V Technology & Communications, Business, Marketing & Finance, Education & Training, Engineering, Health Science, Hospitality & Tourism, Human Services, Information Technology, Law & Public Service, Manufacturing and Transportation, Distribution & Logistics. Admission to these programs is based on interest and aptitude, age appropriateness, and class space availability.

It is the policy of Hurst-Euleless-Bedford ISD not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities and provides equal access to the Boy Scouts and other designated youth groups as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

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 practices 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 will not be a barrier to admission and participation in all educational and vocational programs.

For information about your rights or grievance procedures, contact the Title IX Coordinator at lukedefilippis@hebisd.edu, 817-283-4461 and/or the Section 504 Coordinator at fritzieodom@hebisd.edu, 817-283-4461.

www.hebisd.edu

<https://www.hebisd.edu/departments/career-technical-education/career-technical-education>

Hurst Euless Bedford ISD
Aviso De No Discriminación
2024-2025

El Distrito Escolar Independiente de Hurst-Euless-Bedford ofrece programas de educación de carreras y de tecnología. Los siguientes son los programas que se ofrecen: Arquitectura y Construcción, Artes, Tecnología Audiovisual y Comunicaciones, Educación de dirección Empresarial y Administración, Educación y Entrenamiento, Ingeniería, Ciencia de Salud, Hospitalidad y Turismo, Servicios Humanos, Información de Tecnología, Estudios de Ley, Seguridad Pública, Corrección y Seguridad, Transportación y Distribución y Logísticas. La admisión a estos programas se basa en Interés y aptitud, edad apropiada y disponibilidad de espacio en el salón.

Es norma de Hurst-Euless-Bedford no discriminar en sus programas, servicios o actividades vocacionales y brinda igualdad de acceso a los Boy Scouts y otros grupos juveniles designados por motivos de raza, color, origen nacional, sexo o impedimento, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; Título IX de las Enmiendas en la Educación de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

Es norma de no Hurst-Euless-Bedford no discriminar en sus procedimientos de empleo por motivos de raza, color, origen nacional, sexo, impedimento o edad, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; Título IX de las Enmiendas en la Educación, de 1972, la ley de Discriminación por Edad, de 1975, según enmienda; y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

Hurst-Euless-Bedford tomará las medidas necesarias para asegurar que la falta de habilidad en el uso del inglés no sea un obstáculo para la admisión y participación en todos los programas educativos y vocacionales. Para información sobre sus derechos o procedimientos de quejas, comuníquese con el Coordinador del Título IX en (dirección), lukedefilippis@hebisd.edu, 817-283-4461 y/o el Coordinador de la Sección 504 en (dirección), fritzieodom@hebisd.edu, 817-283-4461.

www.hebisd.edu

<https://www.hebisd.edu/departments/career-technical-education/career-technical-education>

**HURST-EULESS-BEDFORD
INDEPENDENT SCHOOL DISTRICT**

**2025-2026
BOARD OF TRUSTEES**

**MATT ROMERO
President**

**JULIE COLE
Vice President**

**CHRIS BROWN
Secretary**

**DR. JOHN BIGGAN
FRED CAMPOS
ANDY CARGILE
BECKY EWART**

ADMINISTRATION

**DR. JOE HARRINGTON
Superintendent of Schools**

**DR. BRANDON JOHNSON
Deputy Superintendent of Educational Operations**

**KATINA RHODES
Assistant Superintendent of Secondary Administration**

**DR. HOLLY NORGAARD
Executive Director of Curriculum and Instruction**

Special thanks goes to Program Coordinators and Directors for their contributions to this publication.

A Publication of the Hurst-Euless-Bedford Secondary Schools



 **HEB**
HURST - EULESS - BEDFORD
Independent School District

Cover Design By
Andrea Trevino
BCTEA
L.D. Bell Highschool
Class of 2025