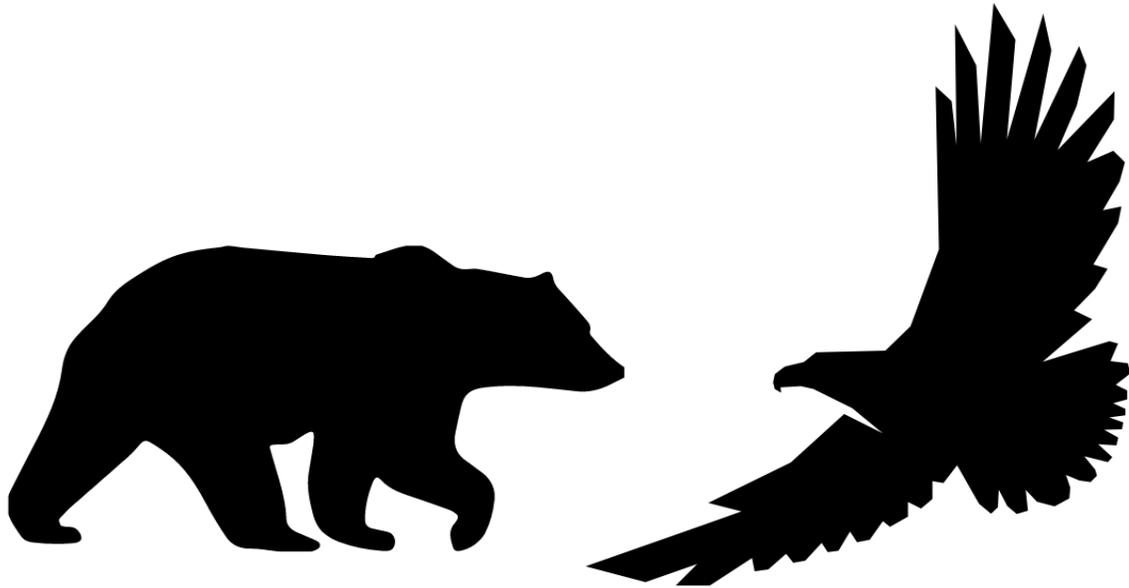




Bastrop

Independent School District



2022-2023 High School Course Selection Guide



Dear Bastrop Independent School District Parents and Students:

In Bastrop ISD we believe in seeing the future through the eyes of our students. That is especially true when it comes to careful planning for their academic success and development. We strive to create individualized learning environments that empower and inspire all students to achieve their utmost potential. We believe that our parents and community members are partners with us in this endeavor and it is in that spirit that we ask you to carefully review the contents of the Bastrop ISD High School Course Selection Guide for Bastrop High School and Cedar Creek High School. The guide is designed to provide students, parents, and school staff with a resource for reviewing and selecting career and academic pathways.

This guide presents five endorsements: Science, Technology, Engineering and Mathematics [STEM], Business and Industry, Public Services, Arts and Humanities, and Multidisciplinary Studies. Endorsements help create a personalized graduation plan in line with a student's career interests and post-secondary goals. Students may also earn more than one endorsement if they have additional class time and courses are available. This guide also provides information about early graduation, dual credit, and advanced placement opportunities. The course descriptions indicate the campus or campuses in which each course is offered, so please review options carefully and thoroughly.

Please note that the course guide is subject to change as needed. Any updates will be posted on the district and campus websites and the school counseling team will notify students if the changes impact their specific course plan. Thank you for your partnership and support in planning course selections for the upcoming academic school year. We look forward to working with you to develop your program of study.

Best wishes for a wonderful high school experience!

Sincerely,

Adelaida Olivarez

Associate Superintendent
Bastrop ISD

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Course Selection Information

Counselors will provide information about the course selection process, class choices, and graduation plans through classroom guidance. Students will be given access to a paper or electronic course selection guide and a choice sheet. Due dates and instructions will be included. Parents will have the opportunity to attend scheduled parent information meetings during the course selection process. Counselors will also see each student individually regarding course selections. In addition, each student will be provided verification of course requests along with a deadline for change requests.

Students are reminded that some course offerings are tentative and dependent upon sufficient enrollment. It is extremely important, therefore, that alternate course choices be listed for elective courses on the registration choice form. Some courses require teacher approval and/or application. Students are responsible for obtaining that approval prior to submitting course requests.

As the student signs up for next year's courses, selections should be made on the assumption the courses in progress will be passed. Because of increased graduation requirements, if a student fails a course or courses, it is important to recover credit for a failed course in summer school, credit recovery, intersession, or credit by exam. Failure to attend summer school could jeopardize grade level and progress toward graduation. Contact the school if you have questions about summer school.

Note: Students and Parents, please remember that the master schedules are built around course choices. Also, room assignments, faculty availability/hired are also made to the best of our ability. Please make sure to make your selections wisely and carefully.

Schedule Change Policy

Students meet with counselors during the spring semester to determine course selection for the following year. With the assistance of counselors, students have the opportunity to choose their own classes as well as alternate electives, and they have the opportunity to verify those choices and make corrections during the spring semester for the next school year.

Once the schedule is locked, schedule corrections will only be made for the following reasons:

- A student is placed in a course in error.
- A student fails a required course making a schedule adjustment necessary for graduation.
- Additional credit was earned making a schedule adjustment necessary.
- The student does not have the prerequisites or does not have courses needed for graduation.
- Change is needed as a result of a student being selected or administratively assigned to or taken out of a program within the school; i.e., intervention, band, athletics, other classes requiring instructor approval.
- Change is needed to enable a student to graduate in the particular year.
- Class sizes must be balanced.
- Courses are cancelled.

Level changes: A level change (i.e., moving from English III AP to on level English III) may only be requested at the end of the 3rd week, the 6th week, or the end of the first semester. A change may be made if the student has demonstrated a significant effort to do well in the class (attending tutorials, participating in class, asking questions, etc.) and if there has been verified parent/teacher/student communication. Students in honors or Advanced Placement courses whose grades average below a 50 for the first semester may be administratively removed to avoid further credit loss. Students in these situations will have a required parent meeting with their counselor and/or administrator. If a change is made, all grades will transfer with the student for eligibility purposes. All level changes must be approved by an administrator. Students are encouraged to take academically rigorous classes every year.

Graduation Requirements

Classifications of Students

Student classification is determined by the number of credits accumulated by the end of the preceding year.

To be a ninth grade student (Freshmen).....	Completion of Eighth Grade Requirements
To be a tenth grade student (Sophomore).....	6 Credits Required
To be an eleventh grade student (Junior).....	12 Credits Required
To be a twelfth grade student (Senior).....	18 Credits Required
Foundation Graduation Plan (Opt-Out Agreement Required).....	22 Credits Required
To Graduate with an Endorsement.....	26 Credits Required

Units of High School credit are determined by the semester average in each course attempted. The State of Texas has set 70 as a minimum-passing grade. For each semester course passed with 70 or above, the student receives 1/2 credit or more. Students earn credits annually towards graduation requirements.

The school year is divided into two semesters with three six weeks reporting periods in each semester. The semester average is determined by the three six week's averages and the semester exam. Each semester course is worth ½ unit of credit provided a minimum grade of 70 is earned. Some dual credit course offerings are worth 1 credit per semester. For courses that are two semesters in duration, the two semester grades will be averaged to determine total credit for the class. A passing grade in one semester may bring up a failing grade in the other semester, provided the first semester grade is not lower than 50 and the second semester grade is not lower than 60 and the two semester grades average to a 70 or higher.

Coursework

House Bill 5 (HB 5), passed by the 83rd Texas Legislature and signed by the governor in June 2013, provides for a new set of graduation plans for Texas students. These graduation plans consist of a foundation plan for every Texas student and five endorsements from which students may choose, depending on their interests. Students will complete each of these endorsements with four mathematics, four sciences, four English language arts, and three social studies credits. Additionally, for graduation purposes, students are required to have 1 physical education or equivalent credit, one fine arts credit, and two foreign language credits.

Students entering 9th Grade must choose from one of the following endorsements:

- Arts and Humanities
- Business and Industry
- Multidisciplinary Studies
- Public Services
- STEM

Pathway course changes: Students may change their pathway course with parent approval anytime within the first 2 weeks of the academic school year, based upon availability. Reminder: Changes to the pathway courses could jeopardize the student's ability to receive a particular endorsement.

Testing

Students are required to pass five State of Texas Assessments of Academic Readiness (STAAR®) end-of-course exams to meet the new graduation requirements:

- Algebra I
- English I (Reading/Writing)
- English II (Reading/Writing)
- Biology
- US History

To graduate, a student must score at the Approaches, Meets, or Masters Grade Level requirement for the EOC tests in English 1, English 2, Algebra 1, Biology, and U.S. History.

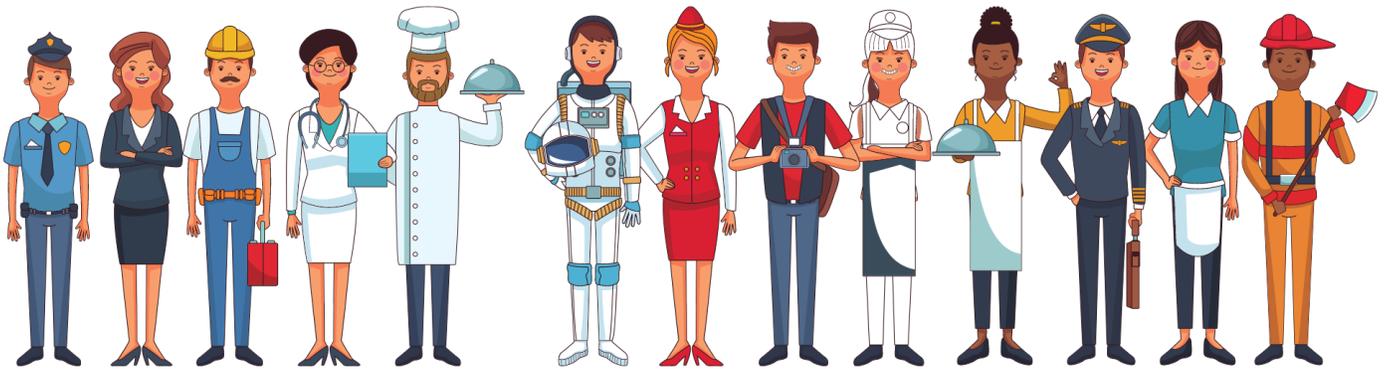
If a student does not achieve Approaches Grade Level or above on any state required EOC assessment, the student must retake the assessment until an Approaches Grade Level or above is attained. A student is not required to retake a course as a condition of retaking an EOC assessment.

Can I see sample questions for the STAAR EOC questions?

Released STAAR EOC questions can be found at www.tea.state.tx.us/student.assessment/STAAR/

College, Career, and Military Readiness (CCMR)

Students are highly encouraged to graduate with College, Career and Military Readiness. CCMR graduates demonstrate college, career or military readiness by meeting benchmarks on indicators such as college entrance exams (ACT/SAT/TSIA2), Advanced Placement(AP) tests, dual credit courses and the completion of certain industry-based certifications.



College Readiness

- Meet criteria of 3 on AP examinations
- Meet TSI criteria (SAT/ACT/TSIA/College Prep course) in reading and mathematics
- Complete a course for dual credit (9 hours or more in any subject or 3 hours or more in ELAR/mathematics)
- Earn an associate's degree

Career Readiness

- Earn an industry-based certification
- Graduate with completed IEP and workforce readiness (graduation type codes 04, 05, 54, or 55)
- Earn a Level I or Level II certificate
- Graduate under an advanced degree plan and be identified as a current special education student

Bastrop ISD - Graduation Plans and Requirements

Foundation Only 22 Credits	Foundation Plan + Endorsement 26 Credits	Distinguished Level of Achievement + Endorsement 26 Credits
<p>4 Credits English: English I; English II; English III; English IV</p> <p>3 Credits Math: Algebra I; Geometry; An advanced math course</p> <p>3 Credits Science: Biology; IPC, Chemistry or Physics; An advanced science course</p> <p>3 Credits Social Studies: World Geography or World History; U.S. History, U.S. Government (½ credit); Economics (½ credit)</p> <p>2 Credits Languages Other Than English: Must be the same language</p> <p>1 Credit Fine Arts</p> <p>1 Credit PE</p> <p>5 Credits electives</p>	<p>4 Credits English: English I; English II; English III; English IV</p> <p>4 Credits Math: Algebra I; Geometry; Two advanced math courses</p> <p>4 Credits Science: Biology; IPC, Chemistry or Physics; 2 advanced science courses</p> <p>3 Credits Social Studies: World Geography or World History; U.S. History; U.S. Government (½ credit); Economics (½ credit)</p> <p>2 Credits Languages Other Than English: Must be the same language</p> <p>1 Credit Fine Arts</p> <p>1 Credit PE</p> <p>7 Credits electives (4 of which are specific to at least one endorsement)</p>	<p>4 Credits English: English I; English II; English III; English IV</p> <p>4 Credits Math: Algebra I; Geometry; Algebra II; An advanced math course</p> <p>4 Credits Science: Biology; IPC, Chemistry or Physics; 2 advanced science courses</p> <p>3 Credits Social Studies: World Geography or World History; U.S. History; U.S. Government (½ credit); Economics (½ credit)</p> <p>2 Credits Languages Other Than English: Must be the same language</p> <p>1 Credit Fine Arts</p> <p>1 Credit PE</p> <p>7 Credits electives (4 of which are specific to at least one endorsement)</p>

Endorsements

Please refer to the Bastrop ISD High School Course Guide for specific course requirements necessary to obtain each endorsement. Listed below are programs of study that can be associated with each endorsement.

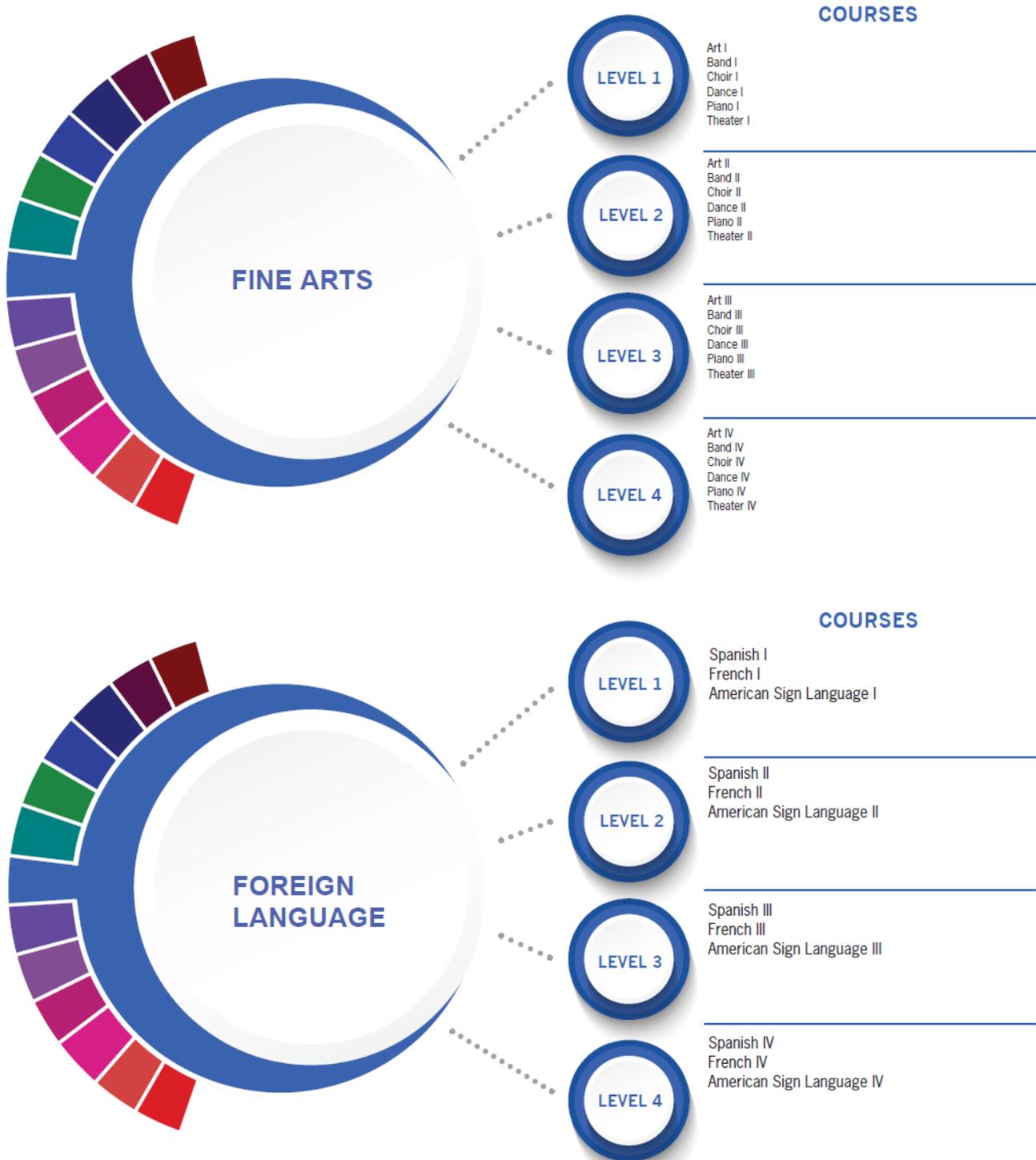
STEM	Business & Industry	Public Services	Arts & Humanities	Multidisciplinary Studies
Engineering; Cybersecurity; Math; Science; Combination	Agriculture, Food and Natural Resources; Business, Marketing and Finance; Advanced Journalism; Arts A/V Technology and Communications; Transportation (BHS), Hospitality and Tourism; Architecture and Construction (CCH)	Education and Training; Health Science; Law and Public Safety; ROTC (BHS)	Art; Band; Choir; Dance; Piano; Theater; Languages; Social Studies	AP; Dual Credit; Sports Medicine; Core 4x4 Foundation

State Assessments Required for Graduation (STAAR - EOC)	Performance Acknowledgements		
Algebra I English I English II	Biology US History	Outstanding Performance: Dual Credit; Bilingualism and Biliteracy; Advanced Placement; PSAT, SAT, or ACT	Certification: CTE Certifications or Licenses

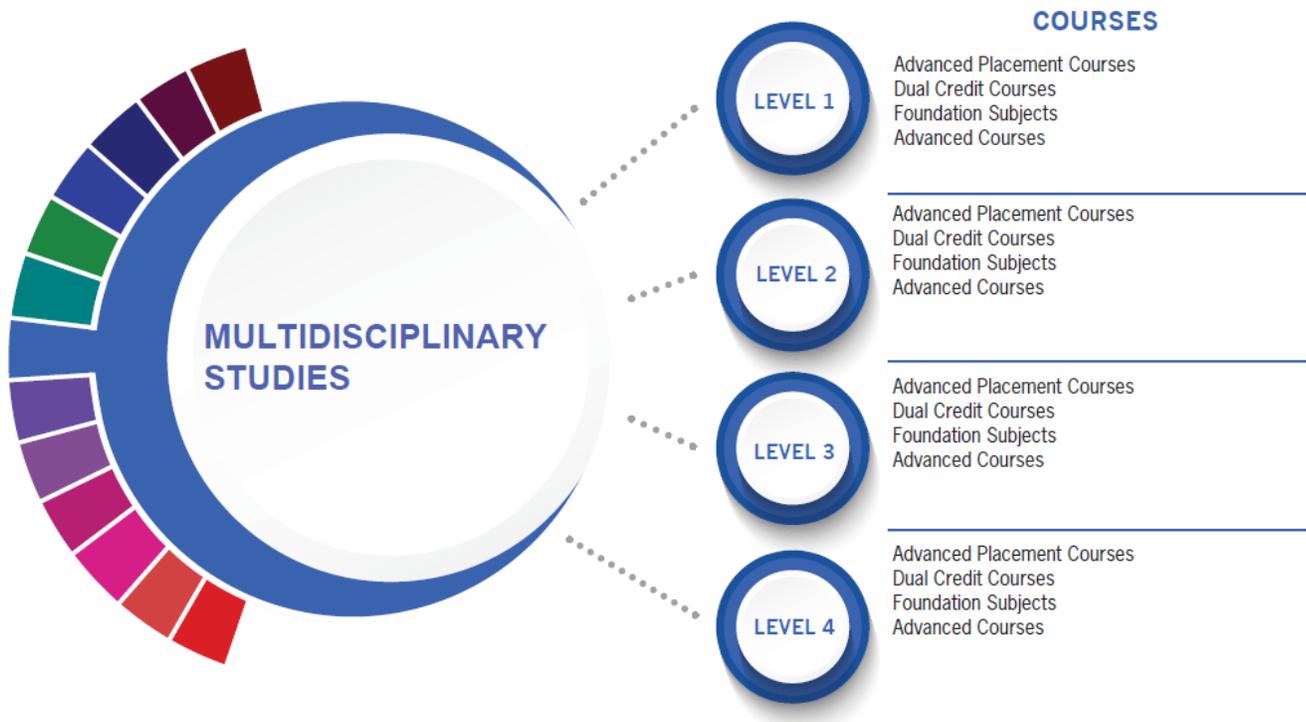
Endorsements & Programs of Study

STEM, Business & Industry, and Public Services: Programs of Study (POS) details for STEM, Business & Industry, and Public Services can be found in the Career & Technical Education Electives section of this Course Selection Guide.

Arts & Humanities: Below you will find information on the Arts & Humanities Endorsements.



Multidisciplinary Studies: Below you will find information on the Multidisciplinary Studies Endorsement.



Career and Technical Education

What Are Programs of Study ?

Programs of study are course sequences that prepare students with the knowledge and skills necessary for success in their chosen career. These sequences embed relevant, real world experiences and culminate in a postsecondary credential. Programs of study are groupings of in-demand, high-wage, and high-skill occupations, which are grouped together because they share similar work activities and training. The programs of study help provide a focus and guideline for future planning at the high school level and beyond.

The Career and Technical Education program includes courses that provide a solid background for advanced college training in various fields, on-the job training, and marketable skills upon graduation from high school. Offering course sequences within career clusters may help students make better career choices and motivate students to reach higher academic achievement. Career Clusters represent a national and state effort to help schools ensure that learners gain the knowledge and skills they need for multiple career choices by matching what is taught in the classroom to business and industry expectations.

Students should review each career cluster described and the courses and their descriptions before making or revising their four to six year plan. Students should discuss their individual plan with parents, school counselors, and teachers in their chosen field. Please visit the following sites for additional information on Career Clusters, Programs of Study and Career Information.

Texas Education Agency
States' Career Cluster Initiative
O*Net – My Next Move
Texas Workforce Commission
Occupational Outlook Handbook
Texas-Career Alternative Evaluation System

www.tea.state.tx.us
www.careerclusters.org
www.mynextmove.org/
www.twc.state.tx.us
www.bls.gov/oco
www.texascaresonline.com

Distinguished Level of Achievement & Performance Acknowledgements

Students who wish to graduate with the Distinguished Level of Achievement must complete all Foundation Plan requirements plus the following:

- Four credits in mathematics, which must include Algebra II
- Four credits in science
- Requirements for at least one endorsement

Performance Acknowledgments

(a) A student may earn a performance acknowledgment on the student's transcript for outstanding performance in a **dual credit** course by successfully completing:

- (1) at least 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum, and advanced technical credit courses, including locally articulated courses, with a grade of the equivalent of 3.0 or higher on a scale of 4.0; or
- (2) an associate degree while in high school.

(b) A student may earn a performance acknowledgment on the student's transcript for outstanding performance in **bilingualism and biliteracy** as follows.

(1) A student may earn a performance acknowledgment by demonstrating proficiency in accordance with local school district grading policy in two or more languages by:

(A) completing all English language arts requirements and maintaining a minimum grade point average (GPA) of the equivalent of 80 on a scale of 100; and

(B) satisfying one of the following:

(i) completion of a minimum of three credits in the same language in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or

(ii) demonstrated proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or

(iii) completion of at least three credits in foundation subject area courses in a language other than English with a minimum GPA of 80 on a scale of 100; or

(iv) demonstrated proficiency in one or more languages other than English through one of the following methods:

(I) a score of 3 or higher on a College Board Advanced Placement examination for a language other than English; or

(II) a score of 4 or higher on an International Baccalaureate examination for a higher-level languages other than English course; or

(III) performance on a national assessment of language proficiency in a language other than English of at least Intermediate High or its equivalent.

(2) In addition to meeting the requirements of paragraph (1) of this subsection, to earn a performance acknowledgment in bilingualism and biliteracy, an English language learner must also have:

(A) participated in and met the exit criteria for a bilingual or English as a second language (ESL) program; and

(B) scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS).

(c) A student may earn a performance acknowledgment on the student's transcript for outstanding performance on a **College Board Advanced Placement** test or International Baccalaureate examination by earning:

- (1) a score of 3 or above on a College Board Advanced Placement examination; or
- (2) a score of 4 or above on an International Baccalaureate examination.

(d) A student may earn a performance acknowledgment on the student's transcript for outstanding performance on an established, valid, reliable, and nationally norm-referenced preliminary college preparation assessment instrument used to measure a student's progress toward readiness for college and the workplace or on an established valid, reliable, and nationally norm-referenced assessment instrument used by colleges and universities as part of their undergraduate admissions process by:

- (1) earning a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, as part of the National Hispanic Recognition Program (NHRP) of the College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation;
- (2) achieving the ACT® readiness benchmark score on at least three of the five subject tests on the ACT Aspire™ examination;
- (3) earning a total score of at least 1310 on the SAT®; or
- (4) earning a composite score on the ACT® examination of 28 (excluding the writing subscore).

(e) A student may earn a performance acknowledgment on the student's transcript for earning a state recognized or nationally or internationally recognized business or industry certification or license as follows.

- (1) A student may earn a performance acknowledgment with:
 - (A) performance on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification; or
 - (B) performance on an examination sufficient to obtain a government-required credential to practice a profession.

(2) Nationally or internationally recognized business or industry certification shall be defined as an industry-validated credential that complies with knowledge and skills standards promulgated by a nationally or internationally recognized business, industry, professional, or government entity representing a particular profession or occupation that is issued by or endorsed by:

- (A) a national or international business, industry, or professional organization;
- (B) a state agency or other government entity; or
- (C) a state-based industry association.

(3) Certifications or licensures for performance acknowledgements shall:

- (A) be age appropriate for high school students;
- (B) represent a student's substantial course of study and/or end-of-program knowledge and skills;
- (C) include an industry-recognized examination or series of examinations, an industry validated skill test, or demonstrated proficiency through documented, supervised field experience; and
- (D) represent substantial knowledge and multiple skills needed for successful entry into a high-skill occupation.

Graduation Options for Students with Disabilities Receiving Special Education Services

**See revised [89.1070\(c\) and \(d\)](#) for specific requirements to earn an endorsement if modifications are needed to access the curriculum

	Mastery of Curriculum	State Assessment	Endorsements and Acknowledgements	SPED Eligibility Termination
General Curriculum with or without Accommodations	Successful completion of the curriculum as is applicable to students in general education 89.1070(b)(1).	Option 1: Satisfactory Performance on at least 3 out of 5 EOCs 89.1070(d) <i>The ARD Committee serves as the Individual Graduation Committee.</i>	Student is eligible to earn endorsements. Student is eligible to earn distinguished achievement and performance acknowledgements.	Graduation and termination of services ends when credits and
		Option 2: Student's ARD committee determines satisfactory performance on state assessment is not required for graduation.		
Modified Curriculum in one or more courses	Successful completion of the curriculum that includes one or more modified courses	Satisfactory Performance on at least 3 out of 5 EOCs 89.1070(d)	Student is eligible to earn endorsements if the ARD committee determines any modified curriculum for endorsement courses are sufficiently rigorous.	SPED Eligibility ends when: Student successfully completes their IEP and one of the following conditions are met: <ul style="list-style-type: none"> • Full-Time Job • Employability Skills • Access to Agency Supports • Reaches Age 22
	Successful completion of the curriculum that includes one or more modified courses	Student's ARD committee determines satisfactory performance on state assessment is not required for graduation.	Student is able to earn distinguished achievement and performance acknowledgements	

Students Receiving Special Programs and English Language Support Services

Individual Accommodation Plans (IAP) for Students in 504

Section 504 of the Rehabilitation Act prohibits discrimination and assures that students with disabilities have educational opportunities and benefits equal to those provided to nondisabled students. Eligible students have a record of, or are regarded as having a physical or mental impairment which substantially limits one or more major life activities including functions such as: learning, self-care, walking, seeing, hearing, speaking, breathing, working, eating, sleeping, standing, lifting, bending, reading, concentrating, thinking, communicating and performing manual tasks.

In order to receive services, even if the students have physical or mental impairment, there must be substantial limitation on a major life activity; i.e. a serious problem requiring accommodations within the school. If a student has or is suspected of having a disability or requires accommodations and/or services through Section 504, parents, teachers, administrators or any other district employee should contact the building administrator or counselor for information concerning available programs, assessments, and services. Students served through Section 504 receive credit through the accommodations set forth in their Individual Accommodation Plan.

Individualized Education Plans (IEP) for Students in Special Education

Bastrop ISD has the responsibility to provide Special Education and related services to students who are found eligible for services under IDEA and TEA eligibility guidelines. Eligible students are required to be served in the least restrictive environment and be afforded the opportunity to participate in educational programs and activities afforded to all students in BISD. Should a parent, teacher, administrator or district employee suspect a student has a disability, they should contact the building administrator or counselor for information concerning available programs, assessments, and services.

Special Education Services are provided in accordance with each student's Individualized Education Plan. Bastrop ISD offers a full continuum of services and placements including but not limited to: Mainstream with accommodations, Co-Teaching, Resource, and Life Skills. Students earn credit through the accommodations, modified curriculum and/or alternate curriculum approved by each student's Admission, Review and Dismissal committee.

Emergent Bilinguals

Students who have been identified as Emergent Bilinguals (EBs) are entitled to receive language arts instruction from an ESL certified teacher. These teachers will utilize sheltered instruction practices to make content comprehensible to EBs; thus allowing students to acquire language through the content area being taught. Students who have been in U.S. schools for 0-2 years, are at the beginning or intermediate levels of English proficiency, and require intensive English instruction are offered ELDA (English Language Development and Acquisition) I and ELDA II. These classes are taught by an ESL certified teacher who understands the language acquisition process.

BISD High School ESL Courses

Course Key	Course Description	PEIMS Code	Designated Teaching Staff
EESLNA	English Language Development & Acquisition I - This class will be blocked with English 1. This course is for newcomers with 0-2 years in US schools. State Elective Credit.	N1280042	ESL English certified teacher
EESLNB	English Language Development & Acquisition II - This class will be blocked with English 2. This course is for newcomers with 0-2 years in US schools. State Elective Credit.	N1280043	ESL English certified teacher

Advanced Academics

Honors courses have specific curriculum goals and objectives designed to prepare all students who take the class for the rigors of the Advanced Placement course. In addition to all Texas Essential Knowledge and Skills, a wider range and greater depth of the subject matter is taught. There is an emphasis on higher level and critical thinking skills. Provisions for creative and productive thinking are included in the courses. The Bastrop Independent School District supports an open enrollment policy for Honors and AP courses.

The Advanced Placement Program, sponsored by the College Board, offers high school students an opportunity to take college-level courses at the local high school. Upon successful completion of an AP course, the student receives high school credit; and if the student passes the AP exam, credit may be awarded upon college entrance. Students should contact the admission department of the college of their choice to ask about specific advanced placement and credit policies. Costs of these exams must be borne by the student. Taking the AP exam is voluntary.

Our goal is for students to be successful at the highest possible level. Honors/Advanced Placement (AP) classes within Bastrop ISD stimulate and challenge students to perform at an advanced academic level. We are pleased that you are accepting the challenge of Honors/AP work. Honors classes are designed to prepare highly motivated students for the rigorous and fast-paced AP classes offered from the ninth to twelfth grade.

Honors classes:

1. Give students the opportunity to practice (at the appropriate level) skills that will enable them to be successful in AP classes, and
2. Allow students to experience the expectations and activities by the AP program.

College Board Advanced Placement classes:

1. Provide students the opportunity to take college level classes, and upon successfully passing the national College Board Advanced Placement exams with a score of a 3 or better, earn college credit while still in high school.
2. Teach skills that can lead to success in college.

Parental support plays a key role in the success of Honors/AP students. Therefore, please read and discuss the following points:

1. Honors/AP students will read and prepare outside the classroom to participate effectively in classroom discussions and activities.
2. Successful completion of each Honors/AP course requires more individual study time per week than the regular class.
3. Tutoring will be available for all students.
4. Retesting and late work policy:
 - a. The late work policy can be found in the course syllabus. Further clarification of the late work policy will be given by individual teachers. Students and teachers should discuss any extenuating circumstances that may allow for extensions.
 - b. The policy for makeup work after an excused absence is outlined in the Bastrop ISD Student/Parent Handbook.
 - c. Retesting will be offered according to the policy as stated in the syllabus under "Late Work" Section.
5. Students may exit an Honors/AP course at the end of the 3rd week, 6th week or at the end of the first semester.
6. If the student does not exit within the appropriate window, then they will be expected to remain in the course until it is completed. Before exiting, parent contact must be established.
7. In addition to the above guidelines, each academic class may have requirements that are specific to a particular teacher.

Academic Considerations

Honors and AP curricula are written above the grade level of a traditional class. Students should be independent learners as instruction is fast paced, in-depth, complex, and abstract and that much of the work is done outside of class. BISD maintains/operates an open Honors/AP program, but the following student attributes should be considered.

Performance Considerations

Students taking Advanced Placement (AP) or Honors courses should be independent learners who demonstrate:

Motivation: Some students take Honors/AP classes because it is the best preparation for college, the workforce, and life after high school. Others take AP classes for possible college credit, preparation for college, for higher grade points, or purely for the love of learning. Whatever the reason, students should apply their best effort.

Time Management and Organization: Students in Honors/AP classes should begin assignments when they are assigned, use planners and schedules to help plan multiple projects, and develop the self-discipline to make academic achievement a priority.

Positive Attitude: Honors/AP courses demand more attention, work, and effort than a regular class. Students should persevere, and when faced with challenges, take the necessary steps to succeed in the class (tutorials, study groups, etc.). Students who can adjust to the rigor while in high school find greater success in college.

Strong Work Ethic: Students should be committed in their goal to be successful in Honors/AP and demonstrate that commitment by good attendance, punctuality, and by showing respect for themselves and others. Students should expect to do a considerable amount of study and preparation outside of class, and to complete all assignments on time.

Other Considerations

Each student is unique in personality, goals, and their life situation; therefore, decisions regarding a student's participation in advanced courses should be made on an individual basis. Some things to consider are:

Concurrent Enrollment in Honors/AP courses: Consideration should be given to other commitments. Some students successfully manage multiple AP classes, jobs, and extracurricular activities; while others become overwhelmed by the demands of a rigorous schedule. Students should discuss their goals and commitments with parents and counselors and strive to maintain balance between academic pursuits and a healthy lifestyle.

Intellectual and Emotional Maturity: Honors/AP courses are above grade level and students may be expected to read or discuss topics that are not usually expected for that chronological age. Most AP courses are designed for 11th and 12th grade students.

State Testing: Students taking AP courses are still required to take and pass all required state testing as mandated by their graduation plan. Students in AP courses that take the place of a STAAR EOC tested core course must meet the performance standards on the STAAR EOC test.

Advanced Placement Exams: Students may take College Board Exams for possible college credit and/or placement. The campus counseling centers have additional information or you can visit the College Board website at bit.ly/APCentral

- Please note that students in AP US History must meet the performance standards on the STAAR United States History end-of-course exam.

Gifted and Talented Students

Gifted and talented students are served through the Honors and Advanced Placement classes, academic competitions, the Distinguished Level of Achievement, dual credit, co-enrollment, and opportunities for acceleration.

Section 504 and IEP Accommodations:

Students with disabilities are afforded the same opportunity to participate in Advanced courses as students without disabilities. Students served through Section 504 and Special Education shall be provided the accommodations included in their IAP and/or IEP. The following guidelines are intended to apply to eligible special education and Section 504 students who enroll in Honors or AP courses.

1. Special Education or Section 504 students must have equal opportunity to participate in Honors or AP courses
2. Counselors, parents, ARD Committees and Section 504 Committees should carefully consider the impact of the student's disability on their progression in the general curriculum before determining if a Honors/AP course is appropriate.
3. The accommodations included in the student's IAP or IEP for the Honors/AP course should not substantially alter or modify the essential elements of the Honors/AP coursework.
4. While ARD and Section 504 Committees may wish to consider Honors or AP courses in connection with transition plans for students who will be attending college, ARD Committees and Section 504 Committees are not required to place students in Honors or AP classes.
5. Campus procedures for addressing failure or lack of progress should be applied to all students, including students with disabilities. Consideration of continuation or removal from Honors/AP courses should include the student's need for accommodations and fidelity of implementation of the accommodations in the student's IEP or IAP.
6. All students interested in college credit for Advanced Placement courses should contact the college or university of their choice to obtain policies and standards regarding Advanced Placement credit, including Special Ed/Section 504 accommodations.

*This information is accurate as of the printing of this document. For the most current information visit the TEA website. <http://www.tea.state.tx.us/>

Methods of Earning Credits

Students can earn one half credit for each semester course and a whole credit for a year-long course. Students traditionally earn 7 credits per year when they pass all of their courses and are not denied credit for excessive absences. Students should talk to their counselor regarding their graduation plan. The following are ways a student can earn credits:

- Course is taken as a part of the student's high school schedule.
- Dual Credit college course- approved by BISD taken for high school credit and college credit. Must be one of the approved courses listed on the dual credit list.
- [Credit-by-Exam \(CBE\)](#) Credit-by-examination assessments (CBEs) from the University of Texas and Texas Tech University are approved for use by the BISD Board of Trustees. CBEs are administered by the district or test provider in accordance with local district policy. Students may use CBE to demonstrate mastery in secondary subject areas with the prior approval of the appropriate administrator. Students should contact their school guidance counselor in order to register. A \$10.00 deposit for each exam will be required. Students testing with PRIOR INSTRUCTION will not be eligible to receive a refund and will be required to score 70 or above on a scale of 100. Students testing with NO PRIOR INSTRUCTION will be eligible for a refund and will be required to score 80 or above on a scale of 100. In the event a student does not pass the exam and needs to retest, there will be an additional non-refundable fee of \$10.00 for retesting.
- Correspondence course- an approved course through Texas Tech University distance learning and the University of Texas distance learning.*
- Online courses- approved courses through Texas Virtual School Network are Bastrop ISD-provided online credit acquisition platforms.*

- [Approved University-Based Distance Learning Program](#) The Texas Virtual School Network (TxVSN) is a web-based supplemental program offering electronic courses. The instruction and content of these electronic courses are delivered over the Internet. TxVSN high school courses are aligned with the TEKS and led by online instructors with Texas certification in the course subject area and grade level. The combination of subject area knowledge with training in the unique methods for delivering online instruction provides Texas students with a quality interactive learning experience. The cost of each course per semester typically range from \$200.00 to \$400.00, but could be more or less than those amounts, it all depends on the class and the institution that is providing the course. Interested students can access the TxVSN course catalog at <https://catalog.mytxvsn.org/> and speak to their counselor.*
- Middle school courses taken for high school credit prior to enrolling in high school.

Students and parents assume the cost of taking courses outside of their regular high school schedule. Students and parents assume the responsibility of registering for and completing courses attempted. Students must talk to their counselor for information regarding alternate methods of acquiring credits **before signing up for any course**.

**Unless otherwise approved by a counselor and campus administration, correspondence courses, online courses, and approved University-Based Distance Learning programs must be completed outside of the normal school day.*

Dual Credit

The Dual Credit Program allows students to earn credit for high school while also earning college credit at Austin Community College (ACC). Dual Credit students are assessed regular tuition and fees for additional classes that exceed 12 classes covered by the tuition waiver. Dual Credit tuition and fee waivers do not cover textbook and material fees, which must be purchased by the student. Students may register for pre-approved college courses taught at the high school, at an ACC campus, or online. Each student must meet ACC admission requirements in order to register for classes.

To enroll in concurrent or dual credit classes a student must do the following:

- Meet all admission criteria for the college, including being exempt from taking and/or passing the Texas Success Initiative Assessment Version 2.0 (TSIA2). Effective January 11, 2021, the following minimum college readiness standards (also known as "cut scores") for English Language Arts Reading (ELAR) and mathematics on the TSIA2 shall be used by an institution to determine a student's readiness to enroll in entry-level freshman coursework:
- Mathematics (for college-level coursework with mathematics-intensive designation by the offering institution):
 - (A) a College Readiness Classification (CRC) score of at least 950; or
 - (B) a CRC score below 950 and a Diagnostic level of 6.
- ELAR (for college-level coursework with reading, writing, or reading and writing-intensive designation by the offering institution):
 - (A) a College Readiness Classification (CRC) score of at least 945 and an essay score of at least 5; or
 - (B) a CRC score below 945 and a Diagnostic level of 5 or 6 and an essay score of at least 5.
- Student SAT, ACT, or STAAR scores may exempt a student from the TSIA2.
 - SAT: a minimum score of 530 on the Mathematics test for a TSIA2 exemption in math (no combined score required); a minimum score of 480 on the Evidenced Based Reading & Writing (EBRW) for a TSIA2 exemption in both reading and writing (no combined score required)
 - ACT: Math and/or English 19 with composite score of 23
 - STAAR: English III: 4000 or Algebra II: 4000
- Follow the process for enrolling in college classes. This process includes meeting with the high school counselor, completing and submitting the college application, obtaining parental approval and meeting with a college advisor to submit required paperwork.
- Register for the specific course/location student plans to attend.
- Purchase required textbooks and materials.
- Attend classes on the high school campus, college campus or by distance learning.
- Submit an official college grade report or college transcript to the high school registrar upon course completion.

The student is responsible for textbook costs and other associated fees when taking courses from ACC. All dual credit course grades will be recorded numerically and used in averaging the high school GPA (except for the spring final semester grade(s) prior to graduation for seniors. To receive high school credit for an ACC dual credit course, a student must earn a grade that computes to a 'D' or better.

Students taking Dual Credit courses are still required to take and pass all required state testing as mandated by their graduation plan. For those Dual Credit courses that take the place of a STAAR EOC tested core course, students must meet performance standards on the STAAR EOC test and the final course grade will comply with STAAR EOC requirements for the substituted core subject course.

For guidance on registering for the TSIA2, students should visit the College and Career Center.

ACC Drop Policy

Students enrolled in ACC classes will be exposed to college-level curricula that provide opportunities for collaboration, self-direction and academic rigor. Students are encouraged to maintain enrollment throughout the semester. If students consider dropping a class, they must meet with their counselor to discuss impact on scheduling, GPA and transcripts.

If the decision is made to drop the course, the following procedures will be followed:

- Students may request to drop a course during the ACC drop/add window and be scheduled into an on-level course.
- Students will be placed into a regular class if they request to withdraw from the course later than the ACC add/drop window. Going into an AP class at this time is not an option. Students will transfer into the on level course with a 65.
- Students who earn a D or an F in the fall semester of an ACC course are not eligible to enroll in the corresponding AP course for the spring semester.
- Students who wish to drop one ACC course may stay in other ACC course(s) ONLY if their schedule allows for the flexibility.
- Depending on the impact on scheduling, students may also be assigned to a Study Hall and will be required to adhere to campus attendance policies.

ACC issues final letter grades only (A, B, C, D, F, and W). High schools convert the letter grades based on the scale below:

A	98	D	73
B	88	F	69
C	78		

Content of dual credit courses, access to grades, and important information regarding dual credit:

- Students pay for textbooks/required materials.
- Courses are taught by ACC faculty. Course content and student expectations are not altered in any way to accommodate students under 18 years of age. College courses and Instructors = Academic Freedom.
- Students are responsible for officially dropping/withdrawing from classes or they will receive a grade. Students who stop attending class are not automatically dropped.
- ACC information goes directly to the student via the student's ACCmail account.
- Students will be fully responsible for communicating with their professors when unsure of course material, academic progress, or assignments and course requirements.
- Dual Credit students have access to all the services provided by ACC, i.e. Learning Labs, Libraries, Testing Centers
- High school students can apply for accommodations through our ACC Student Accessibility Services Office. 504 services do not roll over from high school to ACC. It is student responsibility to apply directly through ACC.
- Grade of C or higher earns college credit.
- Program applies to current high school students only; after graduation, traditional students are charged full-price tuition and fees.
- Parents are not automatically entitled to see student records, including absences, grades, and course progress.
- College records are permanent and will follow students to colleges and universities after high school graduation.

Standard Academic Progress:

- Students must maintain a minimum cumulative GPA of 2.0 ("C" or better in all ACC classes) -and- they must complete 67% of all classes attempted (No F's or W's)
- Students who do not meet SAP may not be eligible for financial aid upon high school graduation until GPA and Completion Rate meet federal requirements.

Dual Credit Crosswalk Table (ACC)

BISD Local Course Number	BISD Course Title	BISD Credit	ACC Course Number	ACC Course Title	ACC Course Hours
English / Language Arts					
3220300	English III	1	ENGL 1301 ENGL 1302	Composition and Rhetoric I Composition and Rhetoric II	6
3220400	English IV	1	ENGL 1301 ENGL 1302 -OR- ENGL 2322	Composition and Rhetoric I Composition and Rhetoric II -OR- British Literature	6 -OR- 3
03221600	Humanities (1st Time)	1	HUMA 1301	Introduction to Humanities I	3
03221610	Humanities (2nd Time)	1	HUMA 1302	Introduction to Humanities II	3
Mathematics					
03102510	Advanced Quantitative Reasoning	1	MATH 1414	College Algebra for Precalculus (4-4-0)	4
03102540	Algebraic Reasoning	1	MATH 1314	College Algebra	3
A3100101	Calculus AB	1	MATH 2413	Calculus I	3
03102501	Independent Study Math (2nd)	1	MATH 2412	Pre-Calculus	3
3102530	Statistics	1	MATH 1342	Elementary Statistics	3
A3100102	Calculus BC	1	MATH 2414	Calculus II	4
Social Studies					
3310300	Economics	.5	ECON 2301	Principles of Macroeconomics	3
3350100	Psychology	.5	PSYC 2301	General Psychology	3
3340100	Sociology	.5	SOCI 1301	Introduction to Sociology	3
3380022	Special Topics in Social Studies (2nd)	.5	GOVT 2306	Texas State and Local Government	3
3330100	U.S. Government	.5	GOVT 2305	Federal Government	3
3380002	Special Topics in Social Studies (1st)	.5	HIST 1301	United States History 1	3
3340100	US History Since 1877	1	HIST 1302	United States History 2	3
3380032	Special Topics in Social Studies (3rd)	.5	ANTH 2351	Introduction to Cultural Anthropology	3
Science					
3060200	Earth and Space Science	1	BIOL 1309	Life on Earth	3
3020000	Environmental Systems	1	ENVI 1301 -OR- BIOL 1406 BIOL 1408	Environmental Science -OR- Biology (Medical Majors) Biology (Nonmajors)	3
Languages Other Than English					
3440100	Spanish I	1	SPAN 1411	Spanish I	4
3440200	Spanish II	1	SPAN 1412	Spanish II	4
3440300	Spanish III	1	SPAN 2311	Spanish III	3
Electives					
3500110	Art Appreciation	1	ARTS 1301	Art Appreciation	3
3240900	Professional Communications	.5	SPCH 1315	Intro to Speech Communications	3
3250100	Theatre Arts I	1	DRAM 1310	Introduction to Theatre	3
13040450	Practicum in Transportation Services	2	AUTM 1410 AUTM 1416	Brake Systems Suspension and Steering Systems	4 4
Other					
3270100	College Readiness and Study Skills	.5	EDUC 1300	Effective Learning Strategies for College Success	3

Weighted Grades for Determining GPA

The following table represents BISD’s current weighted grades. A grading index factor of 1.15 or 1.17 is applied to the original semester grade (refer to the table of weighted grades), as per BISD District policy EIC local based on the student’s graduation year. Only semester grades are weighted. Our school district has adopted the following procedure since the State Board of Education has mandated that grades in excess of 100 cannot be reported. Grades earned in Honors, Pre-AP, AP, and Dual Credit will be reported on report cards to parents without the weighted factor added. However, separate records that reflect the factored semester grade will be maintained by the registrar for class rank, grade point average, and for all other programs using GPA (i.e. National Honor Society).

Weighted Grades for Graduating Class of 2021 and beyond

Course Type	GPA Weight
On Level	1.0
Pre-AP/Honors	1.15
Dual Credit/Advanced Placement	1.17

Requesting to Take Courses as Pass/Fail

A **senior** may choose to take a course on a pass/fail (P/F) basis, if the course is beyond state and district graduation requirements in that subject area and won't be used to satisfy the elective credit requirement for the graduation plan the student has declared. The request form must be filed with the counselor by the 10th day of enrollment in the course. The request may not be revoked at any time. Students enrolled in a pass/fail course must still meet UIL eligibility requirements. Numerical grades shall be issued each six weeks for UIL purposes. The numerical grade shall not be figured into GPA calculations for class rank purposes.

Courses which do not count in computed GPA (grade point average)

- | | | |
|---|---|----------------------|
| Athletics | Credit By Exam | Local Credit Courses |
| Cheerleading | Credit Recovery | Off Campus PE |
| Pass/Fail | Independent Study | PALS |
| Driver’s Ed. | Courses taken prior to 9th grade | |
| Physical Education | Leadership (Student Leadership & Innovative Thinking) | |
| Fine Arts (On and Off Campus for Graduating Class of 2024 and beyond) | | |
| Non-accredited distance learning courses | | |

Off-Campus PE Credit

The OCPE Program allows students in grades 7 through 12 to earn credits that meet the district and state physical education requirements. Students will be expected to be physically educated, along with being physically active. They will be expected to show accountability of skill development, learn physical activity and health concepts and social development through participation in their selected physical activity, and complete assignments that are based on the Texas Essential Knowledge and Skills for Physical Education. Contact the BISD Athletic Director.

Class Rank

Class rank indicates how a student's grades compare with those of other students in his/her class. Semester averages (not full-year averages) beginning with the ninth grade are used to compute class rank. All numeric scores for college classes, distance learning, and correspondence courses will be recorded and used to calculate the GPA (grade point average).

Students will have a class rank based on a comparison with his/her classmates. Estimated class rank is determined for students at mid-term, and again in the summer immediately following the spring semester. Final ranking shall be performed at the end of the 5th six weeks of the senior year to identify honor graduates for senior awards ceremonies and commencement exercises. The 5th six weeks senior ranking shall not include college courses for which the student is currently enrolled.

As per BISD board policy, EIC Local: Grade point average (GPA) for class rank purposes shall be calculated using all credits earned in grades 9–12. All course credits, including, but not limited to, transfer, correspondence, state accredited distance learning, and dual/concurrent, shall receive a numerical value for calculation purposes except for courses that do not count in computed GPA (listed above). GPA for class rank shall be calculated according to this Course Selection Guide in effect for the customary four-year graduating class. The top ten percent of the graduating class shall be identified strictly on the basis of GPA.

The honor of Valedictorian will be awarded to the graduate with the highest GPA. The honor of Salutatorian will be awarded to the graduate with the second highest GPA. Please see policy EIC Local for additional information.

Bastrop ISD Early Graduation

A student may choose to graduate from high school in fewer than four years. To pursue early graduation, a student must meet with their counselor to discuss the graduation plan and complete the [Declaration to Graduate Early](#) form. The declaration must be submitted to the counselor by the end of the first six weeks of senior year. The student is required to meet a College, Career, and Military Readiness indicator to be considered for early graduation.

An early graduate's final GPA and class rank will be calculated using the grades from his/her final semester of enrollment. If a student meets graduation requirements in December, the final GPA and class rank will be calculated based on the last semester that the student was enrolled. The student will **not** be re-ranked with the 5th six weeks final ranking to determine honor graduates.

Early graduates are permitted to participate in all senior activities in the Spring prior to graduation. Students may not take original credit(s) on any electronic platform to meet requirements for early graduation without approval from Associate Superintendent of Curriculum & Instruction or designee.

Advanced Classes for No Pass No Play 2022-2023

The following advanced courses are eligible for exemption for extracurricular activity participation, please see policy FM local if you need additional information:

- All College Board Advanced Placement Courses in all disciplines.
- All Dual Credit Courses
- Honors Courses in English, LOTE, Math, Science, and Social Studies only.

Regulations which relate to UIL and all other extracurricular activities sponsored or sanctioned by the school district are located at www.uiltexas.org.

English Language Arts

English I & II Honors
AP English Language & Composition
AP English Literature & Composition

Languages Other than English

AP Spanish Language and Culture
AP Spanish Literature and Culture
Spanish III Honors

Math

Algebra 2 Honors
Calculus AB or BC AP
Geometry Honors
Pre-Calculus Honors
Statistics AP
PLTW Digital Electronics Honors

Science

Biology AP
Biology Honors
Chemistry AP
Chemistry Honors
Environmental Science AP
Physics 1 and 2 AP
PLTW Engineering Science Honors

Social Studies

Human Geography AP
Macroeconomics AP
Microeconomics AP
Psychology AP
US Government & Politics AP
United States History AP
World History AP

Other AP/Dual Credit Courses

Music Theory AP
Studio Art AP - Drawing Portfolio, 2D Portfolio, and 3D Portfolio
AP Computer Science and AP Computer Sci Principles
All Dual Credit Courses

Students who need to exempt a class grade should visit their extra-curricular sponsor for more information.

National Collegiate Athletic Association (NCAA) Curriculum

Many college sports are regulated by the National Collegiate Athletic Association (NCAA), an organization that has established rules on eligibility, recruiting and financial aid. If students are applying to college and plan to participate in Division I or Division II sports, they must be certified by the NCAA Initial-Eligibility Clearinghouse. The Clearinghouse will analyze academic information and determine if students meet the NCAA's initial-eligibility requirements.

Specific academic and college entrance exam requirements for Division I and Division II sports can be found on the NCAA website at www.eligibilitycenter.org. When taking SAT/ACT, students should list the NCAA Clearinghouse site (9999) on the score reporting section of the registration form. Fee waivers are available; see your counselor for details.

Students wanting to participate in Division I or Division II sports should start the certification process at the website as early as spring of sophomore year. Prospective NCAA student athletes should check with their assigned coach and counselor in the first semester of their 9th grade year in order to make a plan to meet the NCAA Clearinghouse Core Course Requirements before graduating high school. The NCAA Clearinghouse may not accept some third and fourth year science and math courses. **The Eligibility Standards for Division I and II collegiate athletics should be reviewed by parents and students to obtain a clear understanding of the requirements necessary to be eligible for NCAA athletic competition, scholarships, and recruitment. A free copy of *The Guide for the College Bound Student-Athlete* is available by calling 1-800-638-3731 or by visiting the website at www.eligibilitycenter.org for more information.**

Notification of Eligibility for Automatic College Admission

A student is eligible for automatic admission to a college or university as an undergraduate student if the applicant earned a grade point average in the top 10 percent of the student's high school graduating class (Texas Education Code, §51.803). If an eligible student is applying as an undergraduate to the University of Texas at Austin in the summer/fall 2022 or spring 2023, the applicant must earn a grade point average in the top 6 percent of the student's high school graduating class. The applicant in either case must also:

- (1) earn the distinguished level of achievement under the Foundation High School Program; or
- (2) satisfy ACT's College Readiness Benchmarks on the ACT assessment or earn on the SAT assessment a score of at least 1,500 out of 2,400 or the equivalent.

In accordance with Title 19 Texas Administrative Code (TAC), §5.5(e), high school rank for students seeking automatic admission to a general academic teaching institution on the basis of class rank is determined and reported as follows.

- (1) Class rank shall be based on the end of the 11th grade, middle of the 12th grade, or at high school graduation, whichever is most recent at the application deadline.
- (2) The top 10 percent of a high school class shall not contain more than 10 percent of the total class size.
- (3) The student's rank shall be reported by the applicant's high school or school district as a specific number out of a specific total class size.
- (4) Class rank shall be determined by the school or school district from which the student graduated or is expected to graduate.

An applicant who does not satisfy the course requirements is considered to have satisfied those requirements if the student completed the distinguished level of achievement under the Foundation High School Program that was available to the student but was unable to complete the remainder of the coursework solely because courses were unavailable to the student at the appropriate times in the student's high school career as a result of circumstances not within the student's control. To qualify for automatic admission an applicant must:

- (1) submit an application before the deadline established by the college or university to which the student seeks admission;
- (2) meet all curriculum requirements for admission established by the college or university to which the student seeks admission; and
- (3) provide a high school transcript or diploma that indicates whether the student has satisfied or is on schedule to satisfy the requirements of the distinguished level of achievement under the Foundation High School Program or the portion of the distinguished level of achievement under the Foundation High School Program that was available to the student.

Colleges and universities are required to admit an applicant for admission as an undergraduate student if the applicant is the child of a public servant who was killed or sustained a fatal injury in the line of duty and meets the minimum requirements, if any, established by the governing board of the college or university for high school or prior college-level grade point average and performance on standardized tests.

For more information go to:
<http://bit.ly/TECTop10Percent>

Bastrop Independent School District

Course Descriptions

Course offerings may vary based on enrollment.

Campus Key: Bastrop (BHS), Cedar Creek (CCHS), Austin Community College (ACC)

 - PE Credit

 - Dual Credit via ACC

 - Mathematics

 - Science

 - Fine Arts

English Language Arts /Reading

ENGLISH I

Credit: 1

Prerequisites: None.

Students will participate in integrated studies of grammar, vocabulary and complete work in a variety of literary, informational and argumentative genres and composition. Composition is generated through the writing process for single and multi-paragraph essays. Students will be required to take the STAAR English I End-of-Course assessment for this course.

Course ID: 03220100

Campus Offered: BHS CCHS

HONORS ENGLISH I

Credit: 1

Prerequisites: None.

This course is designed to challenge very capable students. Students will study vocabulary and grammar and read literature extensively. Several compositions will be required related to the literature. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average. Summer reading is encouraged; please see the district/school website for further details. Students will be required to take the STAAR English I End-of- Course assessment for this course.

Course ID: 03220100

Campus Offered: BHS CCHS

ENGLISH II

Credit: 1

Prerequisites: English I.

Course emphasis is placed on reading, writing, speaking, and listening skills. The study of grammar and the grammatical structures is integrated with writing in which skills include emphasis on essays. Vocabulary is studied throughout the year. Students also become more skilled in reading and evaluating informational, argumentative, short stories, novels, plays, and poetry. Students will be required to take the STAAR English II End-of-Course assessment for this course.

Course ID: 03220200

Campus Offered: BHS CCHS

HONORS ENGLISH II

Credit: 1

Prerequisites: English I.

Very capable students continue to develop skills in writing through the study of grammar as well as the writing of increasingly complex multi-paragraph essays. Vocabulary is expanded with emphasis on refinement of test-taking strategies for college entrance exams. Furthermore, literary studies reflect greater quantity, depth of understanding, and evaluation of information, argumentative, short stories, novels, plays, and poetry. Students in this class are responsible for independent studies outside of class well in excess of expectations of students in English II classes. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average. Summer reading is encouraged; please see the district/school website for further details. Students will be required to take the STAAR English II End-of-Course assessment for this course.

Course ID: 03220200

Campus Offered: BHS CCHS

ENGLISH III

Credit: 1

Prerequisites: English II.

English III students continue to increase and refine their communication and literary skills by engaging in meaningful activities in five key areas. Reading: Students read a wide variety of American literature. Writing: Students compose a variety of well organized and detailed texts. Listening and Speaking: Students listen to others and contribute their own ideas in groups. Oral and Written Conventions: Students learn and apply the standards of English in speaking and writing. Students will be required to write a documented, formal research paper as well as composition assignments of various lengths and types.

Course ID: 03220300

Campus Offered: BHS CCHS

ENGL 1301 & ENGL 1302 DUAL CREDIT (ENGLISH III A and ENGLISH III B)



Credit: 1

Prerequisites: English II. TSI Ready English.

Students may earn dual credit by taking Composition and Rhetoric I (English 1301) and Composition and Rhetoric II (English 1302). In English 1301 students are introduced to the rhetorical and mechanical skills necessary to develop confident, informed voices. Students will learn about the writing process through critical reading of non-fiction and fiction prose, revision, editing, and collaboration. The class focuses on the strategies and conventions of academic writing, especially exposition and argumentation. English 1302 includes study and practice in the strategies and techniques for developing research-based expository and persuasive writing. There is an emphasis on interaction with literary texts, effective and ethical inquiry, critical reading, systematic evaluation, documentation of information sources, and critical thinking. This course presents a more advanced curriculum, and a weighted grade will be applied to the semester average.

Course ID: 03220300

Campus Offered: BHS CCHS

ENGLISH III LANGUAGE & COMPOSITION ADVANCED PLACEMENT

Credit: 1

Prerequisites: English II, Honors English II recommended

Students enrolled in this course are expected to take the College Board AP examination. Individual colleges and universities determine advanced standing based on AP exam scores. This college level course trains students to become skilled readers of American prose written in a variety of periods, disciplines, and rhetorical contexts. Students develop composition skills to make them flexible writers in a variety of modes and for a variety of purposes. Students will also be expected to write a documented, formal research paper. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average. Summer reading is encouraged; please see the district/school website for further details.

Course ID: A3220100

Campus Offered: BHS CCHS

AMERICAN STUDIES, ENGLISH III ADVANCED PLACEMENT

Credit: 2

Prerequisites: Honors English II & AP World History are recommended.

American Studies is a course designed to maximize student learning by blending the Advanced Placement US History (APUSH) and Advanced Placement English Language (APLANG) courses. This course focuses on the philosophical underpinnings of American writing and thought, along with an understanding of the historical climate associated with that writing. The materials used in class result in a greater understanding on multiple levels; lecture, inquiry, group activities, and computer assignments address different learning styles. Student-led discussions, careful writing and critical reading are significant elements for this course. This is a double-blocked course for completion of ENG III AP/ US HISTORY AP. Students must take the US History EOC as part of this course.

Course ID: A3220100; A33440100

Campus Offered: CCHS

ENGLISH IV

Credit: 1

Prerequisites: English III.

English IV students will study a variety of literary and expository works with emphasis on major works of British and world literature. Students will apply the writing process to produce essays for a variety of purposes. The course includes instruction in the research process to support students in producing a formal research paper.

Course ID: 03220400

Campus Offered: BHS CCHS

ENGL 1301 & ENGL 1302 DUAL CREDIT (ENGLISH IV A and ENGLISH IV B)

 **Credit: 1**

Prerequisites: English III. TSI Ready English.

Students may earn dual credit by taking Composition and Rhetoric I (English 1301) and Composition and Rhetoric II (English 1302). In English 1301 students are introduced to the rhetorical and mechanical skills necessary to develop confident, informed voices. Students will learn about the writing process through critical reading of non-fiction and fiction prose, revision, editing, and collaboration. The class focuses on the strategies and conventions of academic writing, especially exposition and argumentation. English 1302 includes study and practice in the strategies and techniques for developing research-based expository and persuasive writing. There is an emphasis on interaction with literary texts, effective and ethical inquiry, critical reading, systematic evaluation, documentation of information sources, and critical thinking. This course presents a more advanced curriculum, and a weighted grade will be applied to the semester average. This course can count as a fourth English if the student has met standards on both the English I and English II EOCs.

Course ID: 03220400

Campus Offered: BHS CCHS

ENGL 2322 BRITISH LITERATURE DUAL CREDIT (ENGLISH IV)

 **Credit: 1**

Prerequisites: ENGL 1301 & ENGL 1302. TSI Ready English.

Students may earn dual credit by taking British Literature (2322). Students will study a variety of literary and expository works with emphasis on major works of British and world literature. Students will apply the writing process to produce essays for a variety of purposes. The course includes instruction in the research process to support students in producing a formal research paper. This course can count as a fourth English if the student has met standards on both the English I and English II EOCs. This course is a semester course.

Course ID: 03220400

Campus Offered: BHS CCHS

ENGLISH IV LITERATURE & COMPOSITION ADVANCED PLACEMENT

Credit: 1

Prerequisites: English III AP Recommended

Students enrolled in this course are expected to take the College Board AP examination. Individual colleges and universities determine advanced standing based on AP exam scores. This course will stress development of sophisticated skills in reading and analyzing literature, both poetry and prose, and refining essays written in various modes of disclosure and rhetorical strategies. Timed practices and emphasis on AP literature terminology, both introduced in Eng. III AP, will be utilized on a regular basis. Students will intensively study representative works of recognized literary merit from various genres and periods with emphasis on works by British and world literature authors, write on both literary and non-literary topics, and do extensive independent reading and research. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average. This course can count as a fourth English if the student has met standards on both the English I and English II EOCs. Summer reading is encouraged; please see the district/school website for further details.

Course ID: A3220200

Campus Offered: BHS CCHS

COLLEGE PREPARATORY ENGLISH

Credit: 1

Prerequisites: Grade 12.

Additional Prerequisites: Administrator & Counselor Approval

Pursuant to TEC §28.014, these courses must be designed for students at the 12th grade level whose performance on an EOC assessment instrument does not meet college readiness standards or whose performance on coursework, a college entrance examination, or an assessment instrument designated under Section 51.3062(c) indicates that the student is not ready to perform entry-level college coursework. These college preparatory courses are eligible for state credit on the Foundation High School Program only. This course will count as the fourth English credit.

Course ID: CP110100

Campus Offered: BHS CCHS

ENGLISH LANGUAGE DEVELOPMENT AND ACQUISITION (ELDA) I, II

Credit: 1

Prerequisites: Counselor Approval.

Class will be blocked with English I and English II respectively. Course is designed for Emergent Bilingual newcomers with 0-2 years in US schools.

Course ID: N1280042, N1280043

Campus Offered: BHS CCHS

PRACTICAL WRITING SKILLS

Credit: 1

Prerequisites: Counselor Approval.

The study of writing allows high school students to earn one credit while developing skills necessary for practical writing. This course emphasizes skill in the use of conventions and mechanics of written English, the appropriate and effective application of English grammar, the reading comprehension of informational text, and the effective use of vocabulary. Students are expected to understand the recursive nature of reading and writing. Evaluation of students' own writing as well as the writing of others ensures that students completing this course are able to analyze and evaluate their writing.

Course ID: 03221300

Campus Offered: BHS CCHS

READING I, II

Credit: 1 for each level

Prerequisites: Counselor Approval.

Reading I and II offers students reading instruction to successfully navigate academic demands as well as attain lifelong literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding. Students learn how traditional and electronic texts are organized and how authors choose language for effect. All of these strategies are applied in instructional level and independent-level texts that cross the content areas.

Course ID: 03270700; 03270800

Campus Offered: BHS CCHS

TSI PREP - READING/WRITING (READING III)

Credit: 1

Prerequisites: Counselor Approval. 11th or 12th grade.

This course prepares students for college level coursework and the Texas Success Initiative Assessment (TSIA2) exam with special emphasis on reading and writing. Required for all students unless they have met the standard for the TSI.

Course ID: 03270900

Campus Offered: BHS CCHS

Speech/Communications

PROFESSIONAL COMMUNICATIONS (SPCH 1315) DUAL CREDIT



Credit: .5

Prerequisites: None. TSI Ready English.

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

Course ID: 13009900

Campus Offered: BHS CCHS

PROFESSIONAL COMMUNICATIONS

Credit: .5

Prerequisites: None.

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

Course ID: 13009900

Campus Offered: BHS CCHS

Journalism, Newspaper, & Yearbook

JOURNALISM/DIGITAL MEDIA

Credit: 1

Prerequisites: None.

Students will learn how journalism was responsible for the birth of America through the study of historic figures like Nellie Bly and Joseph Pulitzer. The class learns how to ask thoughtful questions, take notes and craft a well-organized story which may be published in the school newspaper, the Art Institute in Houston and other places to reinforce learning in the classroom. Students will also learn the basics of Adobe Photoshop and basic layout and design skills.

Journalism Course ID: 03230100

Campus Offered: BHS

Digital Media Course ID: 13027800

Campus Offered: CCHS

ADVANCED JOURNALISM: NEWSPAPER I

Credit: 1

Prerequisites: Journalism. Application with teacher approval.

Development of writing and reporting skills beyond the introductory level and cooperation with others to develop a product, the school newspaper, are key goals of this course. Study of and working with actual budgets, deadlines, advertising campaigns, circulation, publication and page design, page paste-up, editing and proofreading are other major activities. Lab work in this course (for the school newspaper) will require outside-of-class work in interviewing, writing, page design and paste-up, and advertising activities.

Course ID: 03230140

Campus Offered: BHS

ADVANCED JOURNALISM: NEWSPAPER II

Credit: 1

Prerequisites: Newspaper I. Application with teacher approval.

Cooperation to produce a product (the school newspaper) and further development of writing and reporting skills are emphasized in this course, but students are exposed to increasingly complex assignments and greater responsibility in production. Lab work in this course (for the school newspaper) will require outside-of-class work in interviewing, writing, editing, design and paste-up, advertising, and supervisory activities.

Course ID: 03230150

Campus Offered: BHS

ADVANCED JOURNALISM: NEWSPAPER III

Credit: 1

Prerequisites: Newspaper II. Application with teacher approval.

Students will have opportunities to demonstrate abilities in reporting, writing and production skill beyond those required in previous courses. Lab work for this course will require outside-of-class work in interviewing, writing, editing, design and paste-up, advertising, and supervisory activities. This course can count as a fourth English if the student has met standards on both the English I and English II EOCs.

Course ID: 03230160

Campus Offered: BHS

ADVANCED JOURNALISM: YEARBOOK I/GRAPHIC DESIGN AND ILLUSTRATION I

Credit: 1

Prerequisites: Journalism or teacher approval.

Students will study basics of yearbook publication, including advertising, writing, graphics, page layout and design, production of ad pages and photography. Business (budgeting, ad sales, records, billing) is emphasized. Lab work will require outside-of-class work to complete projects.

Advanced Journalism: Yearbook I Course ID: 03230110

Campus Offered: BHS

Graphic Design and Illustration I Course ID: 13008800

Campus Offered: CCHS

ADVANCED JOURNALISM: YEARBOOK II

Credit: 1

Prerequisites: Yearbook I.

Students will develop skills in page layout and design, polish writing skills, acquire computer expertise, exercise creative and photographic abilities while adding to communications skills in the production of a published work (the school yearbook). Lab work will include advertising and circulation, photography and information gathering/interviewing.

Course ID: 03230120

Campus Offered: BHS CCHS

ADVANCED JOURNALISM: YEARBOOK III

Credit: 1

Prerequisites: Yearbook II.

Students will demonstrate abilities in photography and visual communications skills beyond those required in previous courses. Lab work for this course (for the school yearbook) will require outside-of-class work in interviewing, writing, page design and production, picture planning and taking, advertising and circulation, and supervisory activities.

Course ID: 03230130

Campus Offered: BHS CCHS

Mathematics

ALGEBRA I

Credit: 1

Prerequisites: None.

In Algebra I, students will build on the knowledge and skills from mathematics in Grades 6-8, which provide a foundation in linear relationships, number and operations, and proportionality. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

Course ID: 03100507

Campus Offered: BHS CCHS

ALGEBRA II

Credit: 1

Prerequisites: Algebra I. Recommended after Geometry.

In Algebra II, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods. This course may count as a third or fourth math credit under the Foundation Graduation Plan (HB5).

Course ID: 03100600

Campus Offered: BHS CCHS

HONORS ALGEBRA II

Credit: 1

Prerequisites: Algebra I. Recommended after Honors Geometry.

In Algebra II, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods. This course is an accelerated course that requires students to think at a higher level. SAT and ACT assessment objectives will be reviewed. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average. This course may count as a third or fourth math credit under the Foundation Graduation Plan (HB5).

Course ID: 03100600

Campus Offered: BHS CCHS

ALGEBRAIC REASONING

Credit: 1

Prerequisites: Grade 11 or 12.

This mathematics course provides a path for students to succeed in Algebra II and prepares them for various post-secondary choices. Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets. This course may count as a third or fourth math credit under the Foundation Graduation Plan (HB5).

Course ID: 03102540

Campus Offered: BHS CCHS

MATHEMATICAL MODELS WITH APPLICATIONS

Credit: 1

Prerequisites: Algebra I and Counselor Approval.

Mathematical Models with Applications is designed to build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students may receive individualized instruction in certain objectives based upon previous STAAR results, but students will review all STAAR objectives. Students use algebraic reasoning to recognize patterns and structure, model information, solve problems, and communicate solutions. Students will select from tools such as physical objects; manipulatives; technology, including graphing calculators, data collection devices, and computers; and paper and pencil and from methods such as algebraic techniques, geometric reasoning, patterns, and mental math to solve problems. This course does count as a math credit. .

Course ID: 03102400

Campus Offered: BHS CCHS

CALCULUS AB ADVANCED PLACEMENT

Credit: 1

Prerequisites: Precalculus or Honors Precalculus.

Students enrolled in this course are expected to take the College Board AP examination. This course follows a national curriculum established by the College Board. The first semester includes limits, continuity, and derivatives with applications. The second semester includes the study of infinite series and integration with applications. Individual colleges and universities determine credit on AP exam scores. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: A3100101

Campus Offered: BHS

CALCULUS BC ADVANCED PLACEMENT

Credit: 1

Prerequisites: Precalculus or Honors Precalculus.

Students enrolled in this course are expected to take the College Board AP examination. This course follows a national curriculum established by the College Board. The first semester includes limits, continuity, and derivatives with applications. The second semester includes the study of infinite series and integration with applications. Individual colleges and universities determine credit on AP exam scores. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: A3100102

Campus Offered: CCHS

COLLEGE PREPARATORY MATH COURSE

Credit: 1

Prerequisites: Algebra I and Geometry. Grade 12.

Additional Prerequisites: Administrator & Counselor Approval

Topics include real numbers, basic geometry, polynomials, factoring, linear equations, inequalities, quadratic equations, rational expressions, factoring techniques, radicals, algebraic fractions, complex numbers, graphing linear equations and inequalities, quadratic equations, systems of equations, graphing quadratic equations and an introduction to functions. Emphasis is placed on algebraic techniques, in order to successfully

complete an entry-level college mathematics course. Calculator use is allowed in this course when indicated, including the departmental semester examination. In particular, this course is intended to prepare students for the study of entry-level college mathematics. This course may count as a fourth year math credit under the Foundation Graduation Plan (HB5) for some universities.

Course ID: CP111200

Campus Offered: BHS CCHS

GEOMETRY

Credit: 1

Prerequisites: Algebra I.

In Geometry, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I to strengthen their mathematical reasoning skills in geometric contexts. Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Students will connect previous knowledge from Algebra I to Geometry through the coordinate and transformational geometry strand. In the logical arguments and constructions strand, students are expected to create formal constructions using a straightedge and compass. Though this course is primarily Euclidean geometry, students should complete the course with an understanding that non-Euclidean geometries exist. In proof and congruence, students will use deductive reasoning to justify, prove and apply theorems about geometric figures.

Course ID: 03100700

Campus Offered: BHS CCHS

HONORS GEOMETRY

Credit: 1

Prerequisites: Algebra I

In Geometry, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I to strengthen their mathematical reasoning skills in geometric contexts. Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Students will connect previous knowledge from Algebra I to Geometry through the coordinate and transformational geometry strand. In the logical arguments and constructions strand, students are expected to create formal constructions using a straightedge and compass. Though this course is primarily Euclidean geometry, students should complete the course with an understanding that non-Euclidean geometries exist. In proof and congruence, students will use deductive reasoning to justify, prove and apply theorems about geometric figures. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: 03100700

Campus Offered: BHS CCHS

PRECALCULUS

Credit: 1

Prerequisites: Algebra I, Geometry, and Algebra II.

Precalculus is the preparation for calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Precalculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

Course ID: 03101100

Campus Offered: BHS CCHS

HONORS PRECALCULUS

Credit: 1

Prerequisites: Algebra I, Geometry or Honors Geometry, and Algebra II or Honors Algebra II.

Honors Precalculus is the preparation for calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Precalculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology

to build understanding, make connections between representations, and provide support in solving problems. Graphing calculators (TI-83, TI-84 or comparable models) are recommended and used throughout the year. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: 03101100

Campus Offered: BHS CCHS

STATISTICS

Credit: 1

Prerequisites: Algebra I. Grade 11-12.

Students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis.

Course ID: 03102530

Campus Offered: BHS CCHS

STATISTICS ADVANCED PLACEMENT

Credit: 1

Prerequisites: Recommended Honors Geometry and Honors Algebra II. Grade 11-12.

Students enrolled in this course are expected to take the College Board AP examination. Students will be introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will observe patterns in data and departures from patterns. Students will plan studies, deciding what and how to measure. Probability will be studied and models produced using probability theory and simulation. These models will be confirmed with statistical inference. Individual colleges and universities determine credit on AP exam scores. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: A3100200

Campus Offered: BHS CCHS

FINANCIAL MATHEMATICS

Credit: 1

Prerequisites: Algebra 1. Grades 11-12.

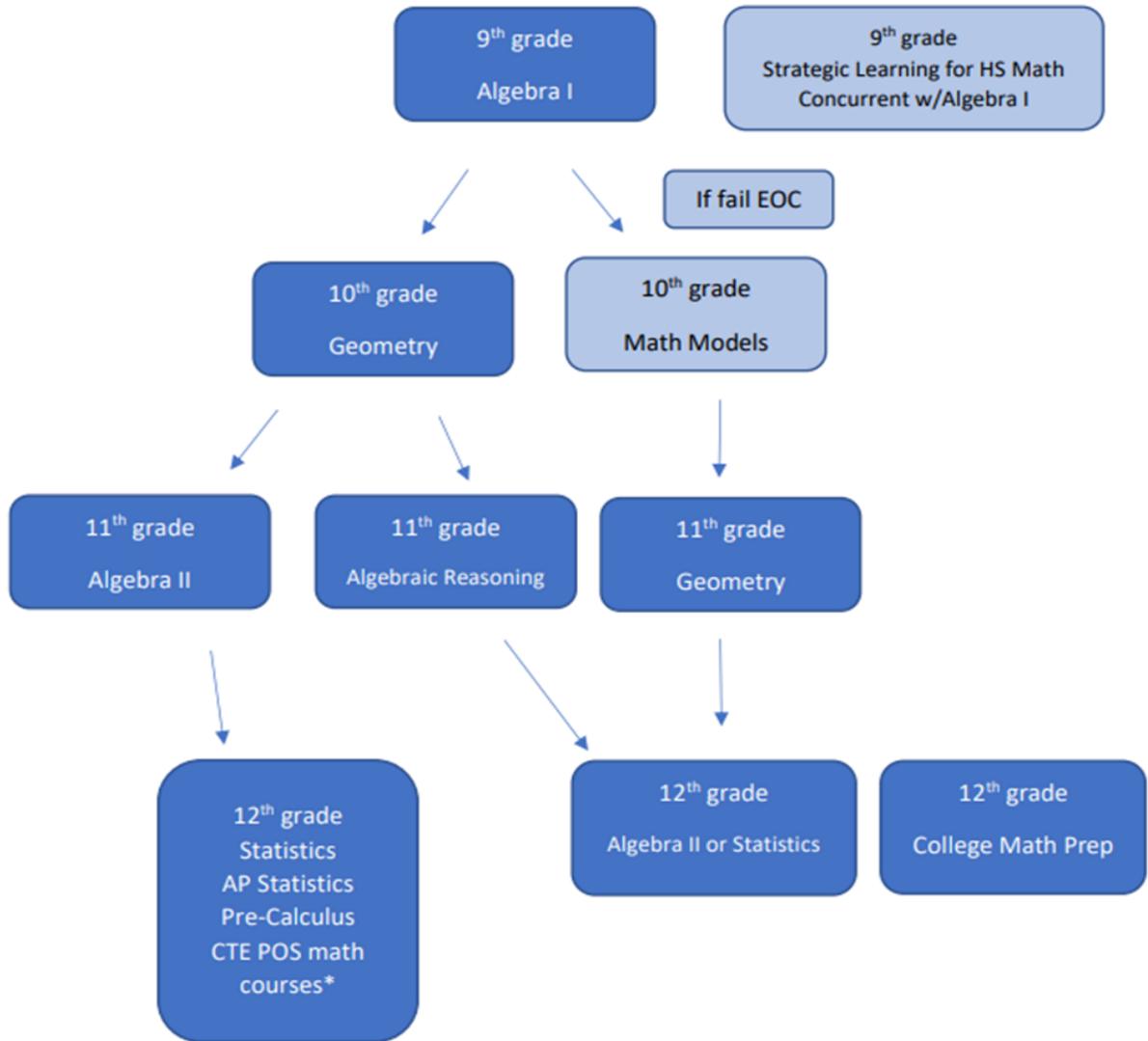
This course is about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. Financial Mathematics can be used as a third or fourth year advanced math credit under the Foundation Graduation Plan (HB 5).

Course ID: 13018000

Campus Offered: BHS CCHS

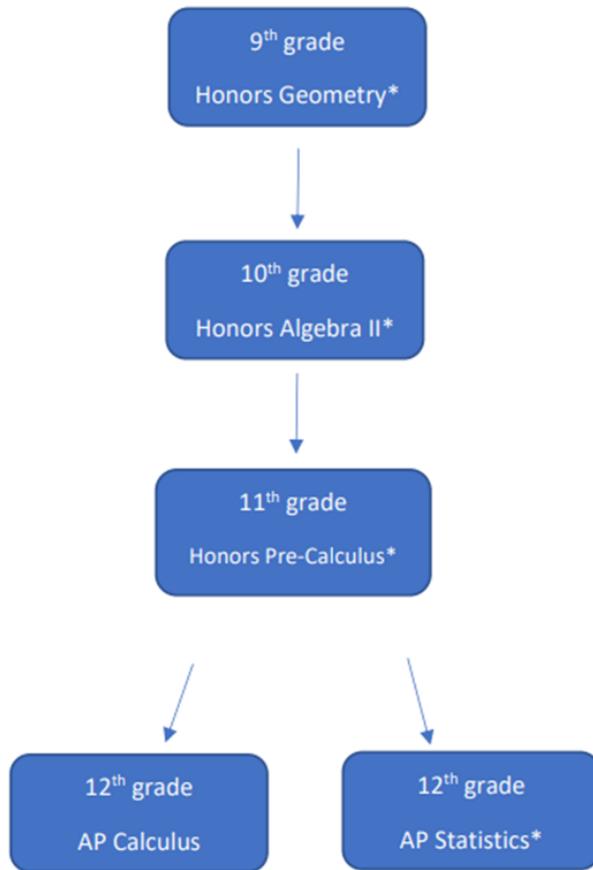
Additional advanced math courses can be found in the Career and Technical Education section of this Course Selection Guide - just look for the  icon.

Math Pathway for High School Students



*Financial math, PLTW: Digital Electronics, Robotics II

Advanced Math Pathway for High School Students



*Career pathways such as nursing, criminal justice, psychology, and social work have statistics as an entry-level college course at many Texas universities.

Science

BIOLOGY (BIOL 1406/1408) DUAL CREDIT

 **Credit: 1**

Prerequisites: TSI Ready English and Math.

Students will examine the same student expectations (TEKS) as in Biology, but with a greater emphasis on depth, complexity, and analysis. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: 3020000

Campus Offered: BHS CCHS

BIOLOGY

Credit: 1

Prerequisites: None.

This course provides students with an understanding of the relationships between different forms of life as they function in their environment. Students will study a variety of topics including structures and functions of living systems (from cells to body systems), a comparison of cells to viruses, genetics, biological evolution, and energy within living systems, all within the overarching concepts of maintaining homeostasis and interactions within ecosystems.

Course ID: 03010200

Campus Offered: BHS CCHS

HONORS BIOLOGY

Credit: 1

Prerequisites: None.

Students will examine the same student expectations (TEKS) as in Biology, but with a greater emphasis on scientific processes including scientific argumentation and data analysis. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: 03010200

Campus Offered: BHS CCHS

BIOLOGY ADVANCED PLACEMENT

Credit: 1

Prerequisites: Grades 11-12. Biology and Chemistry.

Students enrolled in this course are expected to take the College Board AP examination. Advanced biological experimentation will be included as a major part of the course. A college level textbook will be used. Additional time/class period is required for a lab component with this course. Individual colleges and universities determine advanced standing based on AP exam scores. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: A3010200

Campus Offered: BHS CCHS

CHEMISTRY

Credit: 1

Prerequisites: Biology and Algebra I.

This course focuses on atomic and electronic structure, stoichiometry, gas laws, bonding and molecular structure, solution chemistry, acid-base theory, and qualitative analysis. The structure and composition of matter and the changes it undergoes are studied. Laboratory experiments emphasize basic techniques such as making observations, taking measurements, recording data, and making calculations from the data. Laboratory experiments and teacher demonstrations are an integral part of this math-intensive problem solving course.

Course ID: 03040000

Campus Offered: BHS CCHS

HONORS CHEMISTRY

Credit: 1

Prerequisites: Biology and Algebra I.

This course focuses on atomic and electronic structure, stoichiometry, gas laws, bonding and molecular structure, solution chemistry, acid-base theory, and qualitative analysis. The pace of this course requires self-direction and a significant amount of work to be done at home to support the rigorous laboratory investigations and math intensive problem based learning in this lecture/demonstration course. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: 03040000

Campus Offered: BHS CCHS

CHEMISTRY ADVANCED PLACEMENT

Credit: 1

Prerequisites: Grades 11-12. Chemistry and Algebra II (or concurrent enrollment)

This course uses an advanced placement chemistry curriculum and college textbooks. Laboratory experiments and observations will be an integral part of the curriculum. Additional time/class period is required for a lab component with this course. Students in this course are expected to take the College Board AP examination. Individual colleges and universities determine credits earned on AP exam scores. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: A3040000

Campus Offered: BHS CCHS

ENVIRONMENTAL SYSTEMS

Credit: 1

Prerequisites: Grades 11-12. Biology and Chemistry or Physics.

Students study a variety of topics that include: abiotic and biotic factors in habitats; ecosystems and biomes, interrelationships among resources and an environmental system; sources and flow of energy through an environmental system; relationship between carrying capacity and changes in populations and ecosystems; and changes in environments. Students conduct field and laboratory investigations using scientific methods and present a project to offer solutions to environmental issues.

Course ID: 03020000

Campus Offered: BHS CCHS

ENVIRONMENTAL SCIENCE ADVANCED PLACEMENT

Credit: 1

Prerequisites: Grades 11-12. Biology, Chemistry or Physics, and Algebra I.

The goal of this course is to provide students with the understanding of the natural world interrelationships, identifying environmental problems, evaluating the risks associated with these problems, and examining alternative solutions. Additional time/class period is required for a lab component with this course. Students are expected to take the College Board AP examination. Individual colleges and universities determine credit on AP exam scores. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: A3020000

Campus Offered: BHS CCHS

PHYSICS

Credit: 1

Prerequisites: Algebra I.

Students conduct field and laboratory investigations, use scientific/technology methods during investigations and scientific problem solving to study a variety of topics including: laws of motion; changes within physical systems and conservation of energy and momentum; force; thermodynamics, characteristics and behavior of waves; optics; electronics and quantum physics.

Course ID: 03050000

Campus Offered: BHS CCHS

PHYSICS 1: ALGEBRA-BASED ADVANCED PLACEMENT

Credit: 1

Prerequisites: Algebra I, Geometry, and must have completed or be currently enrolled in Algebra II.

This full year course is equivalent to a first semester college course in algebra based physics. This course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Additional time/class period is required for a lab component. Students are expected to take the College Board AP Examination for AP Physics 1. Individual colleges and universities determine credit on AP exam scores. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: A3050001

Campus Offered: BHS CCHS

PHYSICS 2: ALGEBRA BASED ADVANCED PLACEMENT

Credit: 1

Prerequisites: Physics 1 or AP Physics 1, and must have completed or be currently enrolled in Pre-Calculus.

This course is an Algebra-based introductory college-level physics course that explores topics such as fluid statistics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. This course includes independent reading, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: A3050004

Campus Offered: BHS CCHS

Additional advanced science courses can be found in the Career and Technical Education section of this Course Selection Guide - just look for the  icon.

Social Studies

AMERICAN STUDIES, UNITED STATES HISTORY ADVANCED PLACEMENT

Credit: 2

Prerequisites: English II Honors & AP World History Recommended

American Studies is a course designed to maximize student learning by blending the Advanced Placement US History (APUSH) and Advanced Placement English Language (APLANG) courses. This course focuses on the philosophical underpinnings of American writing and thought, along with an understanding of the historical climate associated with that writing. The materials used in class result in a greater understanding on multiple levels; lecture, inquiry, group activities, and computer assignments address different learning styles. Student-run discussions, careful writing and critical reading are significant elements for this course. This is a double-blocked course for completion of ENG III AP/ US HISTORY AP. Students are required to take the US History EOC as part of this course.

Course ID: A3220100; A3340100

Campus Offered: CCHS

ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM & ITS BENEFITS

Credit: .5

Prerequisites: U.S. History or AP U.S. History.

The focus of this course is on the basic principles concerning production, consumption, and distribution of goods and services (the problem of scarcity) in the United States and a comparison with those in other countries around the world while emphasizing the Free Enterprise System and its benefits. The concepts of personal financial literacy are also taught so that students may become self-supporting adults who can make informed decisions relating to personal financial matters.

Course ID: 03310300

Campus Offered: BHS CCHS

HUMAN GEOGRAPHY ADVANCED PLACEMENT

Credit: 1

Prerequisites: None.

The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: A3360100

Campus Offered: BHS CCHS

MACROECONOMICS ADVANCED PLACEMENT

Credit: .5

Prerequisites: U.S. History or AP U.S. History.

AP Macroeconomics is a college-level course that focuses on an economic system as a whole, placing particular emphasis on national income, price-level determination, performance measures, the financial sector, stabilization policies, economic growth and international economics. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: A3310200

Campus Offered: BHS CCHS

MICROECONOMICS ADVANCED PLACEMENT

Credit: .5

Prerequisites: U.S. History or AP U.S. History.

AP Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. This course includes independent reading, writing, and research components that will exceed those presented in an on level course and a weighted grade will be applied to the semester average.

Course ID: A3310100

Campus Offered: BHS CCHS

PERSONAL FINANCIAL LITERACY

Credit: .5

Prerequisites: None.

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. **This elective course does not satisfy the state Economics credit requirement for graduation.**

Course ID: 03380082

Campus Offered: BHS CCHS

PRINCIPLES OF MACROECONOMICS DUAL CREDIT (ECON 2301)



Credit: .5

Prerequisites: U.S. History or AP U.S. History and TSI Ready Math.

Principles of Macroeconomics is a college-level course that focuses on an economic system as a whole, placing particular emphasis on national income, price-level determination, performance measures, the financial sector, stabilization policies, economic growth and international economics. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: A3310200

Campus Offered: BHS CCHS

PSYCHOLOGY

Credit: .5

Prerequisites: Recommended for Grades 11-12.

Students will study individuals, their mental growth and development, their motivations and emotions, and some psychological disorders. Class will include case studies and demonstrations. Many activities will be done in small cooperative groups. This course may be paired with sociology.

Course ID: 03350100

Campus Offered: BHS CCHS

PSYCHOLOGY ADVANCED PLACEMENT

Credit: .5

Prerequisites: Recommended for Grades 11-12.

Students enrolled in this course are expected to take the Advanced Placement Exam in May for possible college credit. AP Psychology is equivalent to an introductory college course in psychology and is taught with a college level text. The AP Psychology course 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. This course may include guest speakers, outside research and experiments. Content requirements for Advanced Placement (AP) Psychology are prescribed in the College Board Publication Advanced Placement Course in Psychology, published by The College Board.

Course ID: A3350100; 03380003

Campus Offered: BHS CCHS

PSYCHOLOGY DUAL CREDIT (PSYC 2301)



Credit: .5

Prerequisites: TSI Ready English.

Students will study individuals, their mental growth and development, their motivations and emotions, and some psychological disorders. Class will include case studies and demonstrations. Many activities will be done in small cooperative groups.

Course ID: 03350100

**Campus Offered: CCHS
SUMMER ONLY BHS**

SOCIOLOGY

Credit: .5

Prerequisites: Recommended for Grades 11-12.

In this course students will have an opportunity to study individuals, groups, and their basic institutions. Students will learn how sociologists work and how their knowledge, methods, and theories are applied to study human actions and relationships. This course may be paired with psychology.

Course ID: 03370100

Campus Offered: BHS CCHS

SOCIOLOGY DUAL CREDIT (SOCI 1301)



Credit: .5

Prerequisites: Recommended for Grades 10-12.

Introduction to theoretical perspectives and research pertaining to society and to the relationship between society and the individual. Covers the basic elements of society, such as culture, social structure, social groups, social class, race, gender, social institutions, social processes, and social change.

Course ID: 03370100

Campus Offered: BHS CCHS

TEXAS GOVERNMENT DUAL CREDIT - SPECIAL TOPICS IN SOCIAL STUDIES II (GOVT 2306)

 Credit: .5

Prerequisites: TSI Ready English.

In Special Topics in Social Studies, an elective course, students are provided the opportunity to develop a greater understanding of the historic, political, economic, geographic, multicultural, and social forces that have shaped their lives and the world in which they live. Students will use social science knowledge and skills to engage in rational and logical analysis of complex problems using a variety of approaches, while recognizing and appreciating diverse human perspectives.

Course ID: 03380022

Campus Offered: CCHS
BHS SUMMER ONLY

UNITED STATES HISTORY SINCE RECONSTRUCTION

Credit: 1

Prerequisites: World History or AP World History.

This course is a full year study of our nation's history, geography, and political and economic growth that will complete the study begun in grade 8. The content of this course covers significant people, issues, and events after the period of Reconstruction. It emphasizes present day issues that have their roots in the past. Students will be required to take the STAAR U.S. History End-of-Course assessment for this course.

Course ID: 03340100

Campus Offered: BHS CCHS

UNITED STATES HISTORY ADVANCED PLACEMENT

Credit: 1

Prerequisites: World History or AP World History.

Students enrolled in this two-semester course are expected to take the College Board AP examination. This college level course is a survey of American history from the age of exploration and discovery to the present. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents, and historiography. Individual colleges and universities determine advanced standing based on AP exam scores. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average. Students will be required to take the STAAR U.S. History End-of-Course assessment for this course.

Course ID: A3340100

Campus Offered: BHS CCHS

UNITED STATES HISTORY TO RECONSTRUCTION, DUAL CREDIT (HIST 1301)

 Credit: .5

Prerequisites: World History or AP World History. TSI Ready English.

A study of the history of the United States to 1877.

Course ID: 03380002

Campus Offered: BHS CCHS

UNITED STATES HISTORY SINCE RECONSTRUCTION DUAL CREDIT (HIST 1302)

 Credit: 1

Prerequisites: World History or AP World History. TSI Ready English.

A study of the history of the United States from 1877 to present.

Course ID: 03340100

Campus Offered: BHS CCHS

UNITED STATES GOVERNMENT

Credit: .5

Prerequisites: U.S. History or AP U.S. History.

This semester course includes a study of the U.S. Constitution. It provides students with an opportunity to explore political theories, leadership, decision making, political institutions, nature of laws, and the rights and responsibilities of American citizenship. Interpretation of current events is emphasized. Students are taught to process information using higher level thinking skills. Students will be encouraged to put their talents to work solving real world problems.

Course ID: 03330100

Campus Offered: BHS CCHS

UNITED STATES GOVERNMENT AND POLITICS ADVANCED PLACEMENT

Credit: .5

Prerequisites: U.S. History or AP U.S. History.

Students enrolled in this semester course are expected to take the College Board AP examination. Government and Politics includes the Constitutional underpinnings of democracy, political beliefs and behaviors of individuals, political parties and interest groups, Congress, the presidency, bureaucracy, federal courts, policy process, and civil rights and civil liberties. Individual colleges and universities determine advanced standing based on AP exam scores. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: A3330100

Campus Offered: BHS CCHS

UNITED STATES GOVERNMENT DUAL CREDIT (GOVT 2305)



Credit: .5

Prerequisites: U.S. History or AP U.S. History. TSI Ready English.

This semester course includes a study of the Texas and U.S. Constitutions. It provides students with an opportunity to explore political theories, leadership, decision making, political institutions, nature of laws, and the rights and responsibilities of American citizenship. Interpretation of current events is emphasized. Students are taught to process information using higher level thinking skills. Students will be encouraged to put their talents to work solving real world problems.

Course ID: 03330100

Campus Offered: BHS CCHS

WORLD GEOGRAPHY STUDIES

Credit: 1

Prerequisites: None.

This course is designed to study the interaction of people and their physical environments in the major areas of the world. Content introduces the student to the five modern geographic themes and the unique vocabulary, tools, and methodologies of geographers. Students will study the physical, cultural, political, and economic activities of major world regions.

Course ID: 03320100

Campus Offered: BHS CCHS

WORLD HISTORY: MODERN ADVANCED PLACEMENT

Credit: 1

Prerequisites: Recommended for 10th grade

The purpose of the AP World History course is to develop a greater understanding of the evolution of global processes and contacts in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. This course includes independent reading, writing, and research components that will exceed those presented in an on-level course and a weighted grade will be applied to the semester average.

Course ID: A3370100

Campus Offered: BHS CCHS

WORLD HISTORY STUDIES

Credit: 1

Prerequisites: None.

This course includes studies of the history and development of world cultures, past and present. The student will compare and analyze various ways of life and cultural patterns, contrast the diversity and commonality of human experiences and learn how these patterns occurred over time. The course will also focus on the relationship between geography, history, and contemporary world development.

Course ID: 03340400

Campus Offered: BHS CCHS

Fine Arts

ART I

Credit: 1

Prerequisites: None.

Art I is a full year fundamentals course for any student who has not had art at the high school level. It covers basic theory with emphasis on the elements and principles of art. Art appreciation, criticism, and aesthetics are included, but the emphasis is on art production. Beginning drawing, painting, printmaking, collage, and sculpture techniques are introduced using a variety of media.

Course ID: 03500100

Campus Offered: BHS CCHS

ART I VISUAL ARTS DUAL CREDIT (ARTS 1301)



Credit: 1

Prerequisites: None. TSI Ready English.

Art I is a full year fundamentals course for any student who has not had art at the high school level. It covers basic theory with emphasis on the elements and principles of art. Art appreciation, criticism, and aesthetics are included, but the emphasis is on art production. Beginning drawing, painting, printmaking, collage, and sculpture techniques are introduced using a variety of media.

Course ID: 03500100

Campus Offered: SUMMER ONLY BHS

ART II, III, IV - CERAMICS

Credit:1 for each level

Prerequisites: Art I

Through observation of teacher demonstration and guided practice, Ceramics II students gain skills needed to construct original ceramic pieces. They identify clay as a product of the earth that undergoes various stages—dry, plastic, leather, hard green ware, bisque, glazed ware—to become a finished piece. Students use basic methods of construction, such as pinch, coil, and slab, to explore forms.

Course ID: 03500900; 03501800, 03501700

Campus Offered: BHS CCHS

ART II, III, IV - DRAWING

Credit:1 for each level

Prerequisites: Art I

Building on the foundation of Art I, students will create original works using a wide variety of media including pencil, charcoal, pastels, ink and brush. In addition to a performance evaluation, students will investigate historical periods and styles.

Course ID: 03500500; 03501300; 03502300

Campus Offered: BHS CCHS

ART II, III, IV - PHOTOGRAPHY

Credit:1 for each level

Prerequisites: Art I

This course teaches you a variety of beginning photographic skills. You will learn how to compose a photo and capture light to create compelling photos. In class students focus on learning techniques, critiquing photos, and post production aspects including Photoshop and Google slide presentations. Four basic strands--perception, creative expression/performance, historical and cultural

Course ID: 03501200; 03502200, 03503100

Campus Offered: BH

STUDIO ART ADVANCED PLACEMENT: 2D PORTFOLIO

Credit: 1

Prerequisites: Art I. Teacher Approval.

This portfolio is intended to address a broad interpretation of two-dimensional (2D) design issues. This could include, but is not limited to, graphic design, typography, digital imaging, photography, collage, fabric design, illustration, painting, printmaking, etc. This is a fast paced course for students with a strong interest in art. Students are enrolled upon nomination by a visual art specialist. They are required to submit a portfolio of 15 pieces of a sustained investigation, and 5 quality pieces of art to the College Board at the end of the year. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

Course ID: A3500400

Campus Offered: BHS

STUDIO ART ADVANCED PLACEMENT: 3D PORTFOLIO

Credit: 1

Prerequisites: Art I. Teacher Approval.

This portfolio is intended to address a broad interpretation of sculptural issues in-depth and space. A variety of approaches might include traditional sculpture, ceramics, fiber or metal work among others. This is a fast-paced course for self-motivated students with a strong interest in sculpture. Students are enrolled upon nomination by a visual art specialist. They are required to submit a portfolio of 15 pieces of a sustained investigation, and 5 quality pieces of art to the College Board at the end of the year. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

Course ID: A3500500

Campus Offered: BHS CCHS

STUDIO ART ADVANCED PLACEMENT: DRAWING PORTFOLIO

Credit: 1

Prerequisites: Art I. Teacher Approval.

The Drawing Portfolio addresses a very broad interpretation of drawing issues and media, including light and shade, line quality, rendering of form, composition, surface manipulation, and the illusion of depth. Many works of painting, printmaking, and mixed media, as well as abstract, observational, and inventive works, may qualify. This is a fast-paced course designed for serious art students. Enrollment is based upon nomination by a visual art specialist. They are required to submit a portfolio of 15 pieces of a sustained investigation, and 5 quality pieces of art to the College Board at the end of the year. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

Course ID: A3500300

Campus Offered: BHS CCHS

BALLET FOLKLORICO I-IV, WORLD DANCE I-IV

 Credit: 1 for each level

Prerequisites: None.

This course stresses the developmental level of dance. It is designed to teach students the basic steps, movements, terminology, techniques, and background history for folklórico dance. There will be a uniform for class and mandatory requirements and responsibilities. PE credit will be awarded for the first level only.

Course ID: 03832100; 03832200; 03832300; 03832400

Campus Offered: CCHS

BAND I-IV

 Credit:1 for each level

Prerequisites: Bi-Annual UIL Physical.

The high school band is a musical organization for students of wind and percussion instruments. Four concert bands are offered for students interested in instrumental music: Symphonic Band, Concert Band, Concert Winds 1, & Concert Winds 2. Emphasis is placed on the development of cultural growth, critical listening, basic music theory, study of instrumental music techniques, creative self-expression, sight reading, mental and physical discipline, citizenship through group endeavors, physical conditioning, and leadership skills. During the Fall, the various concert bands follow the same curriculum in preparation for the marching band's season. The marching band is composed of all members of the band, and performs at all varsity football games (home & away), U.I.L. Marching Contest and non-U.I.L. Marching Contests, and local parades. The marching band rehearses daily, before or after school, and students are required to attend Summer Band rehearsals, beginning in late July. During concert season (spring), section rehearsals are scheduled before or after school one day a week to prepare for concerts and contests. Attendance at all rehearsals and performances is required. Band placement is determined through auditions held at various times during the school year. In addition to earning a Fine Arts Credit, students earn one year PE substitution credit for 2 Fall semesters of actively participating in the Marching Band.

Course ID: 03150100; 03150200; 03150300; 03150400; **Sub PE Course ID:** PES00012

Campus Offered: BHS CCHS

BAND, INSTRUMENTAL ENSEMBLE I-IV

Credit:1 for each level

Prerequisites: None.

The course will focus on improving individual student skills by concentrating on the TMEA all-region music, fundamentals of tonal production, music literacy, and listening skills. This course provides an opportunity to learn and perform in smaller chamber ensembles. This is a performance-oriented course.

Course ID: 03151700; 03151800; 03151900; 03152000

Campus Offered: BHS CCHS

CHOIR I-IV

Credit:1 for each level

Prerequisites: None.

Students learn the fundamentals of singing, both individually and in an ensemble. Formal and informal performances throughout the year, some collaborative performances with band or theater. Selected students participate in competitive events sponsored by the University Interscholastic League and the Texas Music Educators Association; all students participate in the UIL Concert & Sight-Reading contest in the Spring.

Course ID: 03150900; 03151000; 03151100; 03151200

Campus Offered: BHS CCHS

CHOIR, TENOR/BASS I-IV

Credit:1 for

each level Prerequisites: Teacher Approval.

This is an advanced choral ensemble for tenor and basses. This group will explore choral literature through rehearsal and performance of music from a variety of eras and genres. Students are placed according to their ability level in one of several choir classes. Public concerts, including a musical production and large masterworks, are prepared by these classes along with members of the band and orchestra. Selected students participate in competitive events sponsored by the University Interscholastic League and the Texas Music Educators Association.

Course ID: 03152100, 03152200, 03152300, 03152400

Campus Offered: CCHS

CHOIR, TREBLE I-IV

Credit:1 for each level

Prerequisites: Teacher Approval.

This is an advanced choral ensemble for soprano and altos. This group will explore choral literature through rehearsal and performance of music from a variety of eras and genres. Students are placed according to their ability level in one of several choir classes. Public concerts, including a musical production and large masterworks, are prepared by these classes along with members of the band and orchestra. Selected students participate in competitive events sponsored by the University Interscholastic League and the Texas Music Educators Association.

Course ID: 03152100, 03152200, 03152300, 03152400

Campus Offered: BHS CCHS

CHOIR, JAZZ CHOIR I-IV

Credit:1 for each level

Prerequisites: Choir I or concurrent enrollment in choir I. Teacher Approval

Jazz choir is a choral ensemble that focuses on vocal technique and styles from jazz, blues, barbershop as well as show choir repertoire that is both accompanied and acapella. Emphasis will be on developing musicianship and ensemble singing with the goal of understanding these musical styles and performing in various venues and community events. This is a select ensemble that audition and placement in the ensemble with the director is required.

Course ID: 03153400, 03153500, 03153600, 03153700

Campus Offered: CCHS

COLORGUARD I-IV, MODERN DANCE

 **Credit:1 for each level**

Prerequisites: Bi-Annual UIL Physical.

The fine arts incorporate the study of dance, music, theatre, and the visual arts to offer unique experiences and empower students to explore realities, relationships, and ideas. These disciplines engage and motivate all students through active learning, critical thinking, and innovative problem-solving. The fine arts develop cognitive functioning and increase student academic achievement, higher-order thinking, communication, and collaboration skills, making the fine arts applicable to college readiness, career opportunities, workplace environments, social skills, and everyday life. Students develop aesthetic and cultural awareness through exploration, leading to creative expression. Creativity, encouraged through the study of the fine arts, is essential to nurture and develop the whole child. PE credit will be awarded for the first level only.

Course ID: 03830900; 03831000; 03831100; 03831200

Campus Offered: BHS CCHS

DANCE, PRINCIPLES OF DANCE I-IV

 Credit:1 for each level

Prerequisites: None.

This class focuses on the principles, concepts, skills, and techniques of dance as a fine arts form in modern, contemporary, ballet, jazz, lyrical, tap, hip hop, folk, and social dance. Students will learn stretching techniques, personal fitness, and choreographic skills as well as participate in small and large group routines. This class requires specific attire and may require performances outside the school day. PE credit will be awarded for the first level only. **Course ID: 03830100; 03830200; 03830300; 03830400**

Campus Offered: BHS CCHS

DANCE COMPOSITION II,III,IV– VARSITY DRILL TEAM OFFICERS Grades: 10-12

 Credit: 1

Prerequisites: By audition.

This course is for the Varsity Drill Team Dance Officers. Students utilize a variety of dance forms in a highly visible and competitive organization. The students will compose routines that will be performed by the Varsity Drill Team. This course can involve extra rehearsals and performances outside the school day. Students must take both semesters to receive credit.

Course ID: 0832600, 0832700, 0832800

Campus Offered: BHS

DRILL TEAM I-IV, PERFORMANCE ENSEMBLE

 Credit:1 for each level

Prerequisites: By audition.

The “Honey Bears” and the “Soaring Eaglettes” are a performance group that serves both the school and the community composed of students who are selected for membership by audition. It is an active year-round organization that rehearses outside of regular school hours and meets daily. The team performs at athletic events, pep rallies, contests, community events, and shows throughout the year. PE credit will be awarded for the first level only.

Course ID: 03833300; 03833400; 03833500; 03833600

Campus Offered: BHS CCHS

DANCE WELLNESS I-IV: HIP HOP

 Credit: 1

Prerequisites: By audition.

The fine arts incorporate the study of dance, music, theatre, and visual arts to offer unique experiences and empower students to explore realities, relationships, and ideas. These disciplines engage and motivate all students through active learning, critical thinking, and innovative problem-solving. The fine arts develop cognitive functioning and increase student academic achievement, higher-order thinking, communication, and collaboration skills, making the fine arts applicable to college readiness, career opportunities, workplace environments, social skills, and everyday life. Students develop aesthetic and cultural awareness through exploration, leading to creative expression. Creativity, encouraged through the study of the fine arts, is essential to nurture and develop the whole child. PE credit will be awarded for the first level only.

Course ID: 03834100, 03834200, 03834300, 03834400

Campus Offered: CCHS

MUSIC THEORY ADVANCED PLACEMENT

Credit: 1

Prerequisites: A background in choral or instrumental music is strongly encouraged. Prior ability in reading music is essential.

The course will focus on music theory and literacy. Students will learn music theory topics with regards to pitches, rhythms, intervals, chord spelling, chord progressions, notation, written chord analysis, and aural skills. This course will prepare students to take the College Board AP music theory exam in the spring semester. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

Course ID: A3150200

Campus Offered: CCHS

PIANO I-IV

Credit:1 for each level

Prerequisites: For Piano II-IV, the prerequisite is Piano I.

This course focuses on the techniques for playing a piano. Emphasis is on music theory, performance technique, and musicianship. Students enrolled in Piano II-IV will have performance opportunities at the end of each semester. Students are encouraged to perform in the regional UIL Solo and Ensemble contest.

Course ID: 03154200; 03154300; 03154400; 03154500

Campus Offered: BHS CCHS

THEATER ARTS I-IV**Credit: 1 for each level****Prerequisites: None.**

These courses offer students a broad overview of the theater arts. Focusing on the development of the student as an actor and artist, the course addresses mime, pantomime, improvisation, theater history, dramatic structure, playwriting, design, and technical theater.

Course ID: 03250100; 03250200; 03250300; 03250400**Campus Offered: BHS CCHS**

TECHNICAL THEATER I-IV**Credit:1 for each level****Prerequisites: None.**

Students will apply designs and theatre production concepts and skills. The student is expected to develop and practice stage-craft skills; safely apply technical knowledge and skills to create and/or operate functional scenery, properties, lighting, sound, costumes, makeup, and publicity; collaborate with others to produce theatre with a unified production for public performance; and concentrate in one or more areas of tech theatre (stage management, lighting, sound), demonstrating responsibility, artistic discipline, and creative problem-solving.

Course ID: 03250500; 03250600; 03251100; 03251200**Campus Offered: BHS CCHS**

THEATER PRODUCTION I-III**Credit: 1 for each level****Prerequisites: Technical Theatre I.**

Students will learn the core concepts of theatre and project management, as well as serve the needs of the JFW performing arts center. Students are required to work a total of 20 events throughout the year at the JFW. These courses include contract hours that do not meet within the regular school day.

Course ID: 03250700; 03250800; 03250900**Campus Offered: BHS**

MUSICAL THEATER I-IV**Credit:1 for each level****Prerequisites: None.**

Students will specialize in numerous musical production concepts and skills such as choreography, dance, and singing. The student is expected to collaborate with others to produce theatre with a unified production for public performance.

Course ID: 03251900; 03252000; 03252100; 03252200**Campus Offered: BHS**

Athletics & Physical Education**BASEBALL I, II, III, IV****Credit:1 for each level****Prerequisites: Tryouts and Annual UIL Sports Physical.**

This is a class to prepare students for competitive UIL baseball contests. This class consists of conditioning, weight training, and baseball fundamentals. Note: Participation in UIL competitive athletics is voluntary (not mandatory) and students are subject to removal from the team. Parents and athletes must recognize that catastrophic injuries can occur to the head, brain or spine.

Course ID: PES00000; PES00001; PES00002; PES00003**Campus Offered: BHS CCHS**

BASKETBALL I, II, III, IV**Credit:1 for each level****Prerequisites: Tryouts and Annual UIL Sports Physical.**

This class is designed for student participation in UIL competitive basketball. Students will participate in an off-season program when not involved in competition. Note: Participation in UIL competitive athletics is voluntary (not mandatory) and students are subject to removal from the team. Parents and athletes must recognize that catastrophic injuries can occur to the head, brain or spine.

Course ID: PES00000; PES00001; PES00002; PES00003**Campus Offered: BHS CCHS**

CHEERLEADING I, II, III, IV

Credit:1 for each level

Prerequisites: Tryouts and Annual UIL Sports Physical.

BISD cheerleaders promote participation in and support for all athletic teams. This course is required for students selected as cheerleader at any level. In addition to the school time practices, practice time will also be held after school. Students will need a specific pair of tennis shoes for gym floor only. Note: Only one credit may be earned for cheerleading. Parents and cheerleaders must recognize the catastrophic injuries can occur to the head, brain, or spine.

Course ID: PES00013; PES00001; PES00002; PES00003

Campus Offered: BHS CCHS

CROSS COUNTRY I, II, III, IV

Credit:1 for each level

Prerequisites: Tryouts and Annual UIL Sports Physical.

Training for track UIL competition and cross country occurs in this class. Participants must realize that injuries may occur in sports. Note: Participation in UIL competitive athletics is voluntary (not mandatory) and students are subject to removal from the team. Parents and athletes must recognize that catastrophic injuries can occur to the head, brain or spine.

Course ID: PES00000; PES00001; PES00002; PES00003

Campus Offered: BHS CCHS

FOOTBALL I, II, III, IV

Credit:1 for each level

Prerequisites: Tryouts, Annual UIL Sports Physical, and complete online paperwork.

This class is designed for competitive participation in UIL football. Students will participate in an off-season program when not involved in competition. Note: Participation in UIL competitive athletics is voluntary (not mandatory) and students are subject to removal from the team. Parents and athletes must recognize that catastrophic injuries can occur to the head, brain or spine.

Course ID: PES00000; PES00001; PES00002; PES00003

Campus Offered: BHS CCHS

GOLF I, II, III, IV

Credit:1 for each level

Prerequisites: Tryouts and Annual UIL Sports Physical.

This class is designed for students who participate in varsity competition in UIL golf. Note: Participation in UIL competitive athletics is voluntary (not mandatory) and students are subject to removal from the team. Parents and athletes must recognize that catastrophic injuries can occur to the head, brain or spine.

Course ID: PES00000; PES00001; PES00002; PES00003

Campus Offered: BHS

PHYSICAL EDUCATION 1 - FOUNDATIONS OF PERSONAL FITNESS

Credit: 1

Prerequisites: None. Grades 9-12.

This course strives to motivate students to develop a lifetime of personal fitness with an emphasis on the health-related components of physical fitness and will include textbook instruction as well as physical participation.

Course ID: PES00052

Campus Offered: BHS CCHS

PHYSICAL EDUCATION 2 - TEAM SPORTS

Credit: 1

Prerequisites: Foundations of Personal Fitness.

Students enrolled in Team Sports are expected to develop health-related fitness and an appreciation for teamwork and fair play. Team Sports is less concerned with the acquisition of physical fitness during the course than reinforcing the concept of incorporating physical activity into a lifestyle beyond high school. The first three levels of this course may be taken for state credit; subsequent offerings are for local elective credit.

Course ID: PES00055

Campus Offered: BHS CCHS

PHYSICAL EDUCATION 3 - AEROBIC ACTIVITIES

Credit: 1

Prerequisites: None

Students enrolled in aerobic activities are exposed to a variety of activities that promote health-related fitness. A major expectation of this course is for the student to design a personal fitness program that uses aerobic activities as a foundation.

Course ID: PES00054

Campus Offered: CCHS

SOCCER I, II, III, IV

Credit: 1 for each level

Prerequisites: Tryouts and Annual UIL Sports Physical.

This class is designed to build soccer skills and to participate in soccer competitions. Note: participation in UIL competitive athletics is voluntary (not mandatory) and students are subject to removal from the team. Parents and athletes must recognize that catastrophic injuries can occur to the head, brain or spine.

Course ID: PES00000; PES00001; PES00002; PES00003

Campus Offered: BHS CCHS

SOFTBALL I, II, III, IV

Credit: 1 for each level

Prerequisites: Tryouts and Annual UIL Sports Physical.

This is a class to prepare students for competitive UIL softball contests. This class consists of conditioning, weight training and softball fundamentals. Note: Participation in UIL competitive athletics is voluntary (not mandatory) and students are subject to removal from the team. Parents and athletes must recognize that catastrophic injuries can occur to the head, brain or spine.

Course ID: PES00000; PES00001; PES00002; PES00003

Campus Offered: BHS CCHS

TENNIS I, II, III, IV

Credit:1 for each level

Prerequisites: Tryouts and Annual UIL Sports Physical.

This class, for both boys and girls, is designed for junior varsity and varsity competitive participation in UIL tennis. Note: Participation in UIL competitive athletics is voluntary (not mandatory) and students are subject to removal from the team. Parents and athletes must recognize that catastrophic injuries can occur to the head, brain or spine.

Course ID: PES00000; PES00001; PES00002; PES00003

Campus Offered: BHS

TRACK I, II, III, IV

Credit:1 for each level

Prerequisites: Tryouts and Annual UIL Sports Physical.

Training for track UIL competition and cross country occurs in this class. Participants must realize that injuries may occur in sports. Note: Participation in UIL competitive athletics is voluntary (not mandatory) and students are subject to removal from the team. Parents and athletes must recognize that catastrophic injuries can occur to the head, brain or spine.

Course ID: PES00000; PES00001; PES00002; PES00003

Campus Offered: BHS

VOLLEYBALL I, II, III, IV

Credit:1 for each level

Prerequisites: Tryouts and Annual UIL Sports Physical.

This class is designed for freshman competitive participation in UIL athletics volleyball. Students will be involved in an off-season program when not involved in competition. Note: Participation in UIL competitive athletics is voluntary (not mandatory) and students are subject to removal from the team. Parents and athletes must recognize that catastrophic injuries can occur to the head, brain or spine.

Course ID: PES00000; PES00001; PES00002; PES00003

Campus Offered: BHS CCHS

Languages Other Than English

AMERICAN SIGN LANGUAGE I

Credit: 1

Prerequisites: None.

Students will understand and produce short-signed phrases and sentences, detect main idea in material that is signed, be able to transcribe ASL into English gloss, recognize the importance of communication and how it relates to the American deaf culture, and recognize the importance of acquiring accuracy of expression by knowing the components of ASL, including grammar. Mastery of skills is necessary for communicating through ASL. It includes an introduction to Deaf Culture, Deaf Community, and basic grammar elements of the language.

Course ID: 03980100

Campus Offered: BHS

AMERICAN SIGN LANGUAGE II

Credit: 1

Prerequisites: ASL I.

This course emphasizes extending the skills introduced in Level 1. It includes Deaf History in America, Deaf Culture, Deaf Literature and advanced grammar elements of the language.

Course ID: 03980200

Campus Offered: BHS

FRENCH I

Credit: 1

Prerequisites: None.

This course is an introduction to the study of the French language through conversation, grammar, reading, and writing. Students acquire insight into the lifestyles of France and other French-speaking people through comparative study of geography, culture, and social traditions.

Course ID: 03410100

Campus Offered: BHS CCHS

FRENCH II

Credit: 1

Prerequisites: French I.

In this second year of French study, emphasis is spoken and written proficiency and practical application of the language. Cultural investigation explores the provinces of France and regional differences in language and daily life.

Course ID: 03410200

Campus Offered: BHS CCHS

SPANISH I

Credit: 1

Prerequisites: None.

This course introduces the study of the Spanish language and culture through conversation, grammar, speaking, reading, and writing. Through the cultural sections in the text, as well as supplementary materials, students acquire some insight into and appreciation of many aspects of Hispanic life and culture.

Course ID: 03440100

Campus Offered: BHS CCHS

SPANISH II

Credit: 1

Prerequisites: Spanish I.

This course strengthens conversation and communication skills. Students produce conversations and short narratives and learn to read silently with comprehension and without translation material. Stress is placed on the accurate writing of grammatical structures, syntax, and familiar lexical items used in the reading strand of the program. Through identification of the principle heroes, leaders, and traditions of the Hispanic world, students continue their study of Hispanic culture.

Course ID: 03440200

Campus Offered: BHS CCHS

SPANISH II FOR NATIVE SPEAKERS HONORS

Credit: 1

Prerequisites: Spanish I Native Speaker; Oral & written placement exam.

Students with excellent Spanish communication skills take this course and receive credit for Spanish II. The main objective of this course is to enrich the students' total language experience by building on the language proficiency they already possess. The focus is on increasing students' ability to use Spanish for both formal and informal situations and on developing their literacy skills.

Course ID: 03440220

Campus Offered: BHS CCHS

SPANISH III HONORS

Credit: 1

Prerequisites: Spanish II

This course continues to develop the Spanish language through vocabulary development, conversation, reading comprehension and composition. It broadens the students' understanding of Hispanic culture through a study of Hispanic literature and culture. It is designed to challenge the above average Spanish student. This course presents a more advanced curriculum and receives Honors weight.

Course ID: 03440300

Campus Offered: BHS CCHS

SPANISH IV (LANGUAGE) ADVANCED PLACEMENT

Credit: 1

Prerequisites: Spanish Language Proficiency and Teacher Recommendation

Students enrolled in this course are expected to take the College Board AP examination at the end of the year. Students will develop speaking proficiency with grammatical accuracy and adequate fluency acceptable to a native speaker. The study of Spanish literature is expanded. This course is for qualified students who wish to complete studies in high school comparable in difficulty and content to such college courses as Spanish Composition and Conversation. Individual colleges and universities determine advanced standing based on AP exam scores. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

Course ID: A3440100

Campus Offered: BHS CCHS

SPANISH V (LITERATURE) ADVANCED PLACEMENT

Credit: 1

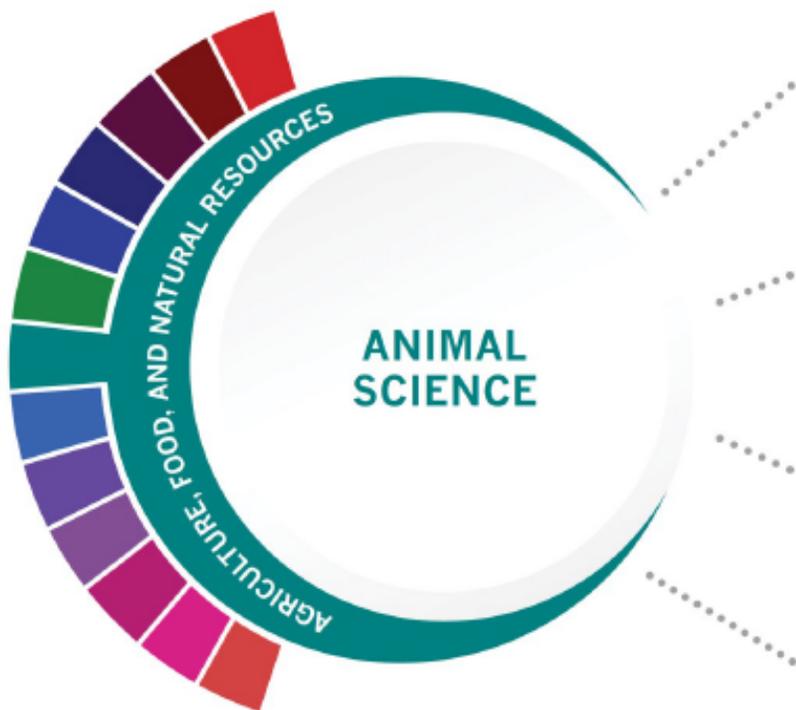
Prerequisites: Spanish Language Proficiency and Teacher Recommendation

Students enrolled in this course are expected to take the College Board AP examination at the end of the year. This course is comparable in difficulty and content to such college courses as Introduction to Hispanic Literature. This course is a study of selections (short stories, essays, and poems) from the literature of Spain, Mexico, Central America, and South America. Individual colleges and universities determine advanced standing based on AP exam scores. This course presents a more advanced curriculum and a weighted grade will be applied to the semester average.

Course ID: A3440200

Campus Offered: BHS CCHS

CAREER CLUSTER: AGRICULTURE, FOOD, AND NATURAL RESOURCES (AFNR)



- Level 1 Principles of Agriculture, Food, and Natural Resources

- Level 2 Small Animal Management (BHS only)
Equine Science (BHS only)
Livestock Production

- Level 3 Veterinary Medical Applications

- Level 4 Advanced Animal Science Practicum in Agriculture, Food, and Natural Resources- Veterinary Science

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Licensed Veterinary Technician	Pet Groomer	Food Science and Technology	Animal Sciences	Genetics
Feedyard Technician in Cattle Care and Handling	Veterinary Technician	Veterinary Studies	Agriculture	Veterinary Medicine
Certified Veterinary Assistant	Licensed Breeder	Biotechnology Laboratory Technician	Biology	Biological and Physical Sciences
		Biology Technician	Zoology/ Animal Biology	Biological and Biomedical Sciences

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

Occupations	Median Wage	Annual Openings	% Growth
Animal Breeders	\$39,135	28	9%
Animal Scientists	\$57,533	22	12%
Medical Scientists	\$63,898	435	27%
Veterinarians	\$93,496	294	24%
Zoologists and Wildlife Biologists	\$67,309	45	32%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
Texas FFA	Agri-Science Fair 4H Volunteer at a local farm or veterinary office FFA Supervised Agriculture Experience (SAE)

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

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

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



Level 1	Principles of Agriculture, Food, and Natural Resources
Level 2	Agricultural Mechanics and Metal Technologies (BHS only)
Level 3	Agricultural Equipment Design and Fabrication (BHS only)
Level 4	Practicum in Agriculture, Food, and Natural Resources - Applied Agricultural Engineering (BHS only)

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL DEGREE
OSHA 30 Hour General Industry	Certified Professional Agronomist	Heavy Equipment Maintenance Technology/Technician	Agricultural Engineering	Agricultural Engineering
Feedyard Technician in Machinery, Operation, Repair and Maintenance	Certified Reliability Engineer	Agricultural Mechanization, General	Agricultural Mechanization, General	Agricultural Mechanization, General
AWS SENSE Welding Level 1	Certified Irrigation Designer	Small Engine Mechanics and Repair Technology/Technician		
AWS D1.1 or D9.1 Certification	Fluid Power Mobile Hydraulic Mechanic	Welding Technology/Welder		

Occupations	Median Wage	Annual Openings	% Growth
Outdoor Power Equipment and Other Small Engine Mechanics	\$32,406	366	16%
Welders	\$41,350	6,171	9%
Farm Equipment Mechanics and Service Technicians	\$39,913	304	17%
Mobile Heavy Equipment Mechanics	\$47,299	1,627	16%
Agricultural Engineers	\$64,792	9	13%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
Tour a farm products or machinery plant Texas FFA	Earn a welding certification Intern at a farm products or machinery plant FFA Supervised Agriculture Experience (SAE)

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

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



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

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





Level 1	Principles of Agriculture, Food, and Natural Resources
Level 2	Wildlife, Fisheries, and Ecology Management (CCHS only)
Level 3	Range Ecology Management (CCHS only)
Level 4	Practicum in Agriculture, Food, and Natural Resources- Environmental and Natural Resources (CCHS only)

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Wastewater Collections, Class 1	Board Certified Environmental Engineer - Hazardous Waste Management	Environmental Science	Environmental Science	Environmental Science
Water Operators, Class D	Certified Water Technologist	Environmental Studies	Environmental/ Environmental Health Engineering	Environmental/ Environmental Health Engineering
OSHA Hazardous Waste Operations and Emergency Response	Certified Environmental Scientist	Wildlife, Fish, and Woodlands Science and Management	Wildlife, Fish, and Woodlands Science and Management	Wildlife, Fish, and Woodlands Science and Management
	Certified in Public Health	Environmental Engineering Technology/ Environmental Technology	Natural Resources Law Enforcement and Protective Services	Fishing and Fisheries Science and Management

Occupations	Median Wage	Annual Openings	% Growth
Environmental Engineering Technicians	\$53,352	101	32%
Environmental Engineers	\$86,757	288	25%
Environmental Science and Protection Technicians, Including Health	\$40,268	508	17%
Environmental Scientists and Specialists, Including Health	\$77,896	644	24%
Zoologists and Wildlife Biologists	\$67,309	45	32%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
Attend summer leadership events Texas FFA	Intern at a waste treatment plant FFA Supervised Agriculture Experience [SAE]

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

The Environmental and Natural Resources program of study explores the occupations and educational opportunities associated with the research, design, and planning of engineering or technical duties in the prevention and control of environmental hazards. This program of study may also include exploration into conducting research for the purpose of identifying, abating, or eliminating sources of pollutants or hazards that affect either the environment or the health of the population.



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

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





Level 1	Principles of Agriculture, Food, and Natural Resources
Level 2	Food Technology and Safety (BHS only)
Level 3	Food Processing (BHS only)
Level 4	Practicum in Agriculture, Food, and Natural Resources - Food Technology (BHS only)

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
	Certified Professional Agronomist	Food Science	Agricultural and Food Products Processing	Quality Control Technology/Technician
	Certified Crop Advisor		Food Science and Nutrition	
	Certified Weighing Salespersons		Food Science and Technology	

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

Occupations	Median Wage	Annual Openings	% Growth
Agricultural and Food Science Technicians	\$34,382	236	11%
Supervisors of Production and Operating	\$62,171	3,094	9%
Inspectors, Testers, Sorters, Samplers, and Weighers	\$37,689	6,653	9%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
Tour a food products processing facility Texas FFA	Intern at a food products processing facility FFA Supervised Agriculture Experience (SAE)

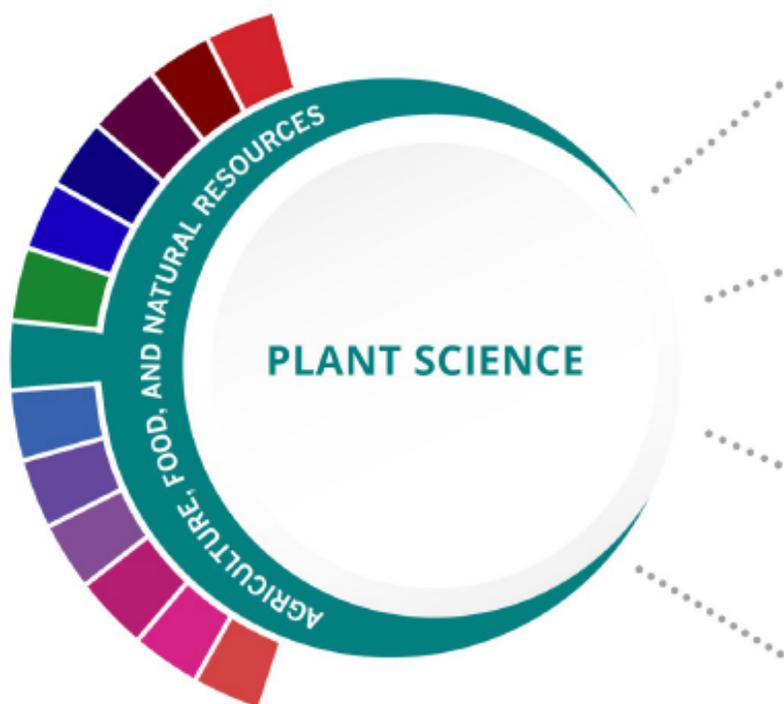
The Food Science and Technology program of study explores the occupations and educational opportunities associated with working with agricultural and food scientists in food, fiber, and animal research, production, and processing. This program of study may also include assisting with animal breeding, nutrition, and conducting tests and experiments to improve yield and quality of crops or to increase the resistance of plants and animals to disease or insects.



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

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





Level 1	Principles of Agriculture, Food, and Natural Resources
Level 2	Greenhouse Operation and Production (CCHS only)
Level 3	Horticultural Science (CCHS only)
Level 4	Practicum in Agriculture, Food, and Natural Resources - Plant Science (CCHS only)

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
Landscape Irrigation Technician License	Pesticide Applicator	Applied Horticulture/Horticulture Operations, General	Applied Horticulture/Horticulture Operations, General	Applied Horticulture/Horticulture Operations, General
Commercial/Noncommercial Pesticide Applicator	Certified Floral Designer	Ornamental Horticulture	Agronomy and Crop Science	Agronomy and Crop Science
Texas State Floral Association Level One Floral Certification	Accredited Member of AIFD	Agricultural Business and Management, General	Agricultural Business and Management, General	Agricultural Business and Management, General
Texas State Floral Association Level Two Floral Certification	Landscape Industry Certified Technician	Turf and Turfgrass Management	Turf and Turfgrass Management	Farm/Farm and Ranch Management

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

Occupations	Median Wage	Annual Openings	% Growth
Soil and Plant Scientists	\$54,662	116	21%
Tree Trimmers and Pruners	\$32,240	589	14%
Pesticide Handlers, Sprayers, and Applicators	\$36,733	196	22%
Landscaping Supervisors	\$44,408	807	19%
Biological Technicians	\$42,931	452	17%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
Texas FFA	Work part-time at a florist; start or work for a local landscaping business; FFA Supervised Agriculture Experience (SAE)

The Plant Science program of study focuses on the science, research, and business of plants and other living organisms. It teaches students how to apply biology and life science to real-world life processes of plants and vegetation, either in laboratories or in the field.



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

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



LEVEL 1 AGRICULTURE, FOOD, AND NATURAL RESOURCES

PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES (AFNR)

Credit: 1

Prerequisites: None. Grades 9-10.

Students will develop leadership potential while learning about the technical world of agriculture. Students will learn about the agriculture industry and develop skills related to plant and animal systems, food production, mechanical systems, entrepreneurship, leadership, and environmental sciences. Students learn about agriculture pathways and career opportunities in AFNR, the FFA, a student leadership organization.

Course ID: 13000200

Campus Offered: BHS CCHS

LEVEL 2 AGRICULTURE, FOOD, AND NATURAL RESOURCES

AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES

Credit: 1

Prerequisites: None. Grades 10-12. Recommended Prerequisite: Principles of Agriculture, Food, and Natural Resources.

Students will understand agricultural mechanics safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metalworking to prepare for careers in agricultural power, structural, and technical systems. Students learn hands-on skills such as custom woodworking, CAD, shielded and gas metal arc welding, oxy-acetylene cutting, and fabrication and layout. Students may participate in the FFA.

Certifications Opportunities: Shielded Metal Arc Welding D9.1, Gas Metal Arc Welding D1.1

Course ID: 13002200

Campus Offered: BHS

EQUINE SCIENCE

Credit: .5

Prerequisites: None. Grades 10-12. Recommended Prerequisite: Principles of Agriculture, Food, and Natural Resources.

This course develops knowledge and skills related to equine animal systems and the equine industry. Students will be exposed to principles which include genetics, anatomy, physiology/nutrition, diseases, pests, and management practices. The scientific processes of observation, measurement, hypothesizing, data gathering, interpretation, analysis, and application are stressed. Career opportunities and educational preparation are examined. Students will have the opportunity to participate in leadership activities and contests through the FFA, a student leadership organization.

Course ID: 13000500

Campus Offered: CCHS

FOOD TECHNOLOGY AND SAFETY

Credit: 1

Prerequisites: None. Grades 10-12. Recommended Prerequisite: Principles of Agriculture, Food, and Natural Resources.

Food Technology and Safety examines the food technology industry as it relates to food production, handling, and safety. This course focuses on value-added foods, which are products that are processed or combined with other products in some way. Students will begin with raw food materials, such as fruit, vegetables, or meat, and process them into a new product.

Certification Opportunities: Food Handlers Certification

Course ID: 13001300

Campus Offered: BHS

GREENHOUSE OPERATION AND PRODUCTION

Credit: 1

Prerequisites: None. Grades 10-12. Recommended Prerequisite: Biology and Principles of Agriculture, Food and Natural Resources.

Greenhouse Operation and Production is designed to develop an understanding of greenhouse production techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

Course ID: 13002050

Campus Offered: CCHS

LIVESTOCK PRODUCTION

Credit: 1

Prerequisites: None. **Grades 10-12. Recommended Prerequisite:** One course from the Animal Science program of study.

This course is designed to introduce students to careers in the field of animal science. Students will develop knowledge and skills pertaining to the nutrition, reproduction, health and management of domestic livestock. Animal species addressed in this course include, but are not limited to: beef cattle, dairy cattle, swine, sheep, goats, and poultry. Study of animal systems, animal restraint, business management, and careers are included.

Course ID: 13000300

Campus Offered: BHS CCHS

SMALL ANIMAL MANAGEMENT

Credit: .5

Prerequisites: None. **Grades 10-12. Recommended Prerequisite:** Principles of Agriculture, Food and Natural Resources.

Students will develop enhanced understanding of and skills related to small animals, the small animal management industry, and small animal care. Small Animal Management addresses topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds. Students will develop a deeper understanding of career opportunities, industry expectations, knowledge and skills related to care and maintenance of small animals.

Course ID: 13000400

Campus Offered: CCHS

WILDLIFE, FISHERIES, AND ECOLOGY MANAGEMENT

Credit: 1

Prerequisites: None. **Grades 10-12. Recommended Prerequisite:** Principles of Agriculture, Food and Natural Resources.

Students will examine the management of game and nongame wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

Course ID: 13001500

Campus Offered: CCHS

LEVEL 3 AGRICULTURE, FOOD, AND NATURAL RESOURCES

AGRICULTURAL EQUIPMENT DESIGN AND FABRICATION

Credit: 1

Prerequisite: Agricultural Mechanics and Metal Technologies. **Grades 11-12.**

This course explores the metal fabrication processes. Students work collaboratively through the engineering process of design, drafting & pricing of a metal fabrication project. Students may exhibit the project at the Bastrop Area Livestock Show. Throughout the year students build their welding skills by welding out of position with SMAW & GMAW & competing in contests through the Texas High School Welding Series. Students will have the opportunity to participate in leadership activities and contests through the student leadership organization the FFA.

Certification Opportunities: Shielded Metal Arc Welding D9.1, Gas Metal Arc Welding D1.1, OSHA 30 General Industry

Course ID: 13002350

Campus Offered: BHS

FOOD PROCESSING

Credit: 1

Prerequisites: None. **Recommended Prerequisite:** Food Technology and Safety. **Grades 10-12.**

Food Processing focuses on the food processing industry with special emphasis on the handling, processing, and marketing of food products, including meat, produce, and baked products. To prepare for careers in food products and processing systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Quality control and marketing practices will be conducted in an entrepreneurial environment, allowing students to apply skills learned in the course to experience within the school and community.

Certification Opportunities: Food Handlers and/or Servsafe Food Manager Certification

Course ID: 13001400

Campus Offered: BHS

HORTICULTURE SCIENCE

Credit: 1

Prerequisites: None. **Grades 10-12. Recommended Prerequisite:** One course from the Plant Science program of study.

Horticultural Science is designed to develop an understanding of horticultural management practices as they relate to food and ornamental plant production. To prepare for careers in horticultural systems, students must acquire academic skills and knowledge, technical knowledge and skills related to horticulture and the workplace, and knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

Course ID: 13002000

Campus Offered: CCHS

VETERINARY MEDICAL APPLICATIONS

Credit: 1

Prerequisites: Livestock Production or Equine Science and Small Animal Management. Grades 11-12.

Students have the opportunity to develop technical skills in health, nutrition, examinations, diseases, sanitation, and regulatory programs of small and large animals through collaboration, innovation and self-direction. This course includes animal handling and restraint, health and safety, surgical preparation, anatomy and physiology, medical terminology, infectious disease, instrument and equipment identification, vaccine preparation and injection techniques, and veterinary office procedures. Students will begin preparation for the Veterinary Assistant-Level I exam.

Course ID: 13000600

Campus Offered: BHS

LEVEL 4 AGRICULTURE, FOOD, AND NATURAL RESOURCES

ADVANCED ANIMAL SCIENCE



Prerequisites: Biology and IPC/Chemistry; Algebra I and Geometry; and either Small Animal Management, Equine Science, or Livestock Production. Grades 11-12.

This course is designed to examine the interrelatedness of human, scientific, and technological dimensions of livestock production. Students will gain knowledge of the scientific and technological dimensions of resources necessary for animal production. This course prepares students for post-secondary education and experience in the fields of animal science, veterinary medicine, or agriculture science. Advanced animal science and production agricultural topics will be explored including ranch management as it pertains to animal health and beef quality assurance. Advanced Animal Science may satisfy the third or fourth year advanced science credit under the Foundation Graduation Plan (HB 5). Students will have the opportunity to participate in leadership activities and contests through the student leadership organization the FFA.

Certification Opportunities: Certified Veterinary Assistant

Course ID: 13000700

Campus Offered: BHS CCHS

PRACTICUM IN AGRICULTURE FOOD & NATURAL RESOURCES (AFNR)

Credit: 2

Prerequisites: A minimum of two credits from the courses from the AFNR Career Cluster. Grade 12.

AFNR practicum courses offer a paid or unpaid internship experience for students participating in a coherent sequence of career and technical education courses from the AFNR cluster. The practicum is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships, assistantships, mentor-ship, or laboratories. For the AFNR Career Cluster, there are three Practicum course offerings.

Agriculture Engineering - Recommended Prereq: Ag Equipment Design or Ag Structures Design and Fabrication

Students will complete the entire engineering design process and are expected to compete in exhibiting their projects at state shows. In addition they continue to compete in the Texas High School Welding Series with the goal of passing an AWS D1.1 certification. Certification Yes: D9.1, D1.1

Food Technology - Recommended Prereq: Food Processing

Students will focus on managing projects, new product development, food safety and HACCP, and working with others in a laboratory setting. They will fulfill greater responsibility in a Farm to Market program. There is also opportunity for placements with local food science industry businesses.

Veterinary Science - Recommended Prereq: Veterinary Medical Applications

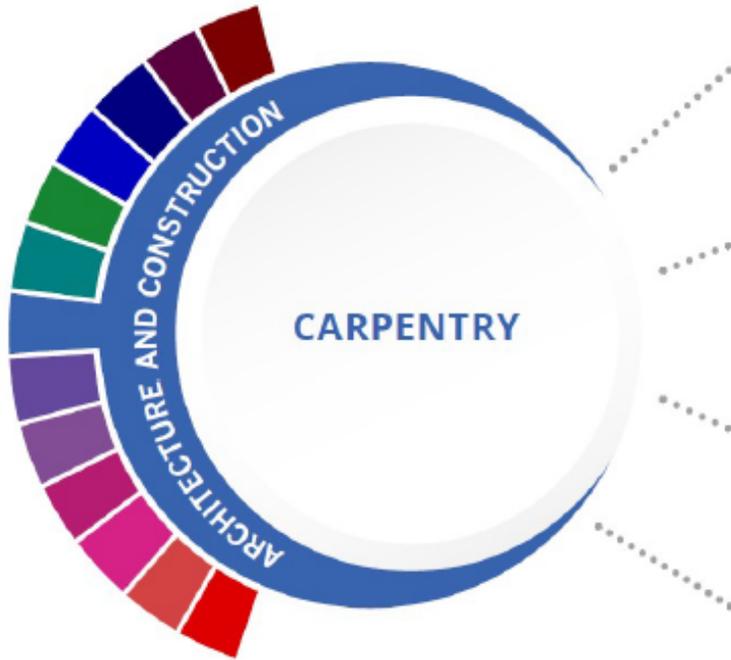
Students will gain more in-depth knowledge in animal anatomy, animal disease, treatment techniques, lab procedures, emergency procedures, and clinical operations. Students will participate in clinical rotations, gaining hands-on experiences working in various veterinary assistant positions.

Certification Opportunity: Certified Veterinary Assistant

Course ID: 13002500

Campus Offered: BHS CCHS

CAREER CLUSTER: ARCHITECTURE AND CONSTRUCTION



Level 1	Principles of Construction (CCHS only)
Level 2	Construction Technology I (CCHS only)
Level 3	Construction Technology II (CCHS only)
Level 4	Practicum in Construction Technology (CCHS only)

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
NCCER Carpentry, Level 1 & 2	Certified Lead Carpenter	Carpentry/ Carpenter	Construction Science	Construction Management
NCCER Commercial Carpenter	Certified Installer	Industrial Mechanics and Maintenance Technology		
NCCER Core Curriculum	Certified Door Consultant			
NCCER Construction Technology	Fluid Power Connector and Conductor			

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

Occupations	Median Wage	Annual Openings	% Growth
Carpenters	\$32,922	5,031	26%
Cost Estimators	\$63,939	2,239	21%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities: Shadow a carpenter or millwright. SkillsUSA	Work Based Learning Activities: Obtain an NCCER certification in Millwright Level 1 or Carpentry Level 1

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



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

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



LEVEL 1 ARCHITECTURE AND CONSTRUCTION

PRINCIPLES OF CONSTRUCTION

Credit: 1

Prerequisites: None. Grades 9-10.

This course provides an introduction to the various fields of architecture, interior design, construction science, and construction technology. Students will explore various field entry requirements to set career goals, in addition to learning about workplace safety and career opportunities, work ethics, communications, problem solving and critical thinking skills. Students will demonstrate uses of various hand tools and power tools, and technical vocabulary related to architecture and construction fields.

Course ID: 13004220

Campus Offered: CCHS

LEVEL 2 ARCHITECTURE AND CONSTRUCTION

CONSTRUCTION TECHNOLOGY I

Credit: 2

Prerequisites: None. Grades 10-12. **Recommended Prerequisite:** Principles of Construction.

In Construction Technology students gain knowledge and skills specific to those needed to enter the workforce as carpenters or building maintenance supervisors, or prepare for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing.

Certification Opportunity: : NCCER Core Curriculum

Course ID: 13005100

Campus Offered: CCHS

LEVEL 3 ARCHITECTURE AND CONSTRUCTION

CONSTRUCTION TECHNOLOGY II

Credit: 2

Prerequisites: Construction Technology I. Grades 11-12.

In Construction Technology II, students will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians, or supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills. This is a lab-based course designed to provide preparation and training in construction-related careers; i: carpenter, bricklayer, residential electrician, commercial welder, plumber, painter, and decorator. Instruction includes safety and career opportunities.

Course ID: 13005200

Campus Offered: CCHS

LEVEL 4 ARCHITECTURE AND CONSTRUCTION

PRACTICUM IN CONSTRUCTION TECHNOLOGY

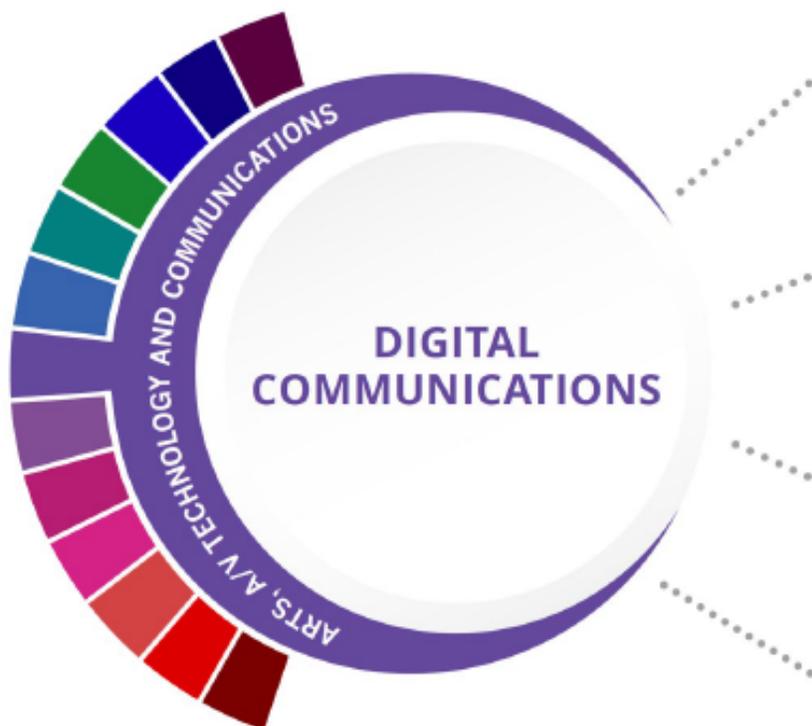
Credit: 2

Prerequisites: Construction Technology II. Grade 12.

This is an occupationally specific course designed to provide classroom technical instruction or on-the-job training. Students gain advanced knowledge and skills specific to enter the workforce and/or prepare for a postsecondary degree in construction management, architecture, or engineering. Organization: Skills USA.

Course ID: 13005250

Campus Offered: CCHS



- Level 1**
Principles of Arts, A/V Technology, and Communications
Professional Communications
Audio/Video Production I

- Level 2**

- Level 3**
Audio Video Production II/ Lab

- Level 4**
Practicum of Audio/Video Production

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

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

Occupations	Median Wage	Annual Openings	% Growth
Sound Engineering Technicians	\$39,362	79	27%
Camera Operators, Television, Video and Motion Picture	\$50,024	129	9%
Audio and Video Equipment Technicians	\$40,381	757	29%
Film and Video Editors	\$47,382	118	23%

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

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



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

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



LEVEL 1 ARTS, A/V TECHNOLOGY AND COMMUNICATIONS

PRINCIPLES OF ARTS, A/V, TECHNOLOGY & COMMUNICATIONS

Credit: 1

Prerequisites: None. Grades 9-10.

Students will be introduced to careers in the Arts, Audio/Video Technology, and Communications and the basics of audio/video production. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in the cluster and the knowledge, skills, and educational requirements for those opportunities.

Course ID: 13008200

Campus Offered: BHS CCHS

PROFESSIONAL COMMUNICATIONS

Credit: .5

Prerequisites: None. Grades 9-10.

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct internet research.

Course ID: 13009900

Campus Offered: BHS CCHS

LEVEL 2 ARTS, A/V TECHNOLOGY AND COMMUNICATIONS

AUDIO/VIDEO PRODUCTION I

Credit: 1

Prerequisites: None. Grades 10-12. **Recommended Prerequisite:** Principles of Arts, A/V, Technology, and Communications.

This introductory course will help students learn more about careers in the audio/video communications industry, with special emphasis on audio and video technology and production. Students will develop an understanding of the A/V industry through a hands-on focus on pre-production, production, and post-production audio and video activities. Students will learn the history of Audio/Video production, as well as collect footage throughout the year to show on their campus news channel.

Certification Opportunity: Adobe Certified Associate Photoshop?

Course ID: 13008500

Campus Offered: BHS CCHS

LEVEL 3 ARTS, A/V TECHNOLOGY AND COMMUNICATIONS

AUDIO/VIDEO PRODUCTION II + LAB

Credit: 2

Prerequisites: Audio/Video Production I. Grades 11-12.

Building on the concepts taught in A/V Production, students develop advanced knowledge and skills as well as an advanced understanding needed for success in the Arts, A/V Technology, and Communications industry with a focus on pre-production, production, and post-production. Advanced A/V Production students examine elements of production through the campus studio setting. Students will present production techniques for a variety of video applications, including theatrical, news gathering, informational, and documentary-style productions. Students focus on combining pre-production planning, studio and field production into a final presentation, and help produce programming for their school news channel.

Certification Opportunity: Adobe Certified Associate Photoshop or Premiere Pro

Course ID: 13008610

Campus Offered: BHS CCHS

LEVEL 4 ARTS, A/V TECHNOLOGY AND COMMUNICATIONS

PRACTICUM IN AUDIO VIDEO PRODUCTION

Credit: 2

Prerequisites: Audio/Video Production II and Audio/Video Production II Lab. Grade 12.

Careers in audio/video production span all aspects of the a/v industry. Building upon the concepts taught in A/V Production II, in addition to developing advanced technical knowledge and skills, students will develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Certification Opportunity: Adobe Certified Associate - Premiere Pro

Course ID: 13008700

Campus Offered: BHS CCHS

CAREER CLUSTER: BUSINESS, MARKETING, AND FINANCE



Level 1
Principles of Business, Marketing, and Finance

Level 2
Business Information Management I
Business Law

Level 3
Business Management

Level 4
Practicum in Business Management

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

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

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

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

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

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



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

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





Level 1	Principles of Business, Marketing, and Finance
Level 2	Business Information Management I Entrepreneurship
Level 3	Entrepreneurship II
Level 4	Practicum in Business Management

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

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

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities: Business Professionals of America (BPA) Future Leaders of America (FBLA) DECA	Work Based Learning Activities: Internship with local management consulting firm

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

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

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

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



LEVEL 1 BUSINESS, MARKETING, AND FINANCE

PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE

Credit: 1

Prerequisites: None. Grades 9-10.

For students who wonder what it takes to operate a successful business, Principles of Business, Marketing, & Finance is an introductory course that gives students basic knowledge in business, marketing, and accounting. This class teaches students the history of business and how businesses perform in today's society. Students leave this class with a new outlook on business in the real world.

Course ID: 13011200

Campus Offered: BHS CCHS

LEVEL 2 BUSINESS, MARKETING, AND FINANCE

BUSINESS INFORMATION MANAGEMENT I

Credit: 1

Prerequisites: None. Grades 10-12. **Recommended Prerequisite:** Principles of Business, Marketing, and Finance.

Business Information Management I prepares students to apply technology skills to personal and workplace business situations. Students develop mastery in communication skills through the use of MS Office applications (Word, Excel, Access, PowerPoint and Publisher) and additional applications. **This course is highly recommended for preparing students for career and college entry.

Certification Opportunities: : Microsoft Office Specialist Word, Microsoft Office Specialist Excel

Course ID: 13011400

Campus Offered: BHS CCHS

ENTREPRENEURSHIP

Credit: 1

Prerequisites: None. Grades 10-12. **Recommended Prerequisites:** Principles of Business, Marketing, and Finance.

Students interested in becoming entrepreneurs will learn the principles necessary to start and operate their own business. Students will practice 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.

Certification Opportunity: : Entrepreneurship and Small Business

Course ID: 13034400

Campus Offered: BHS CCHS

BUSINESS LAW

Credit: 1

Prerequisites: None. Grades 10-12. **Recommended Prerequisites:** Principles of Business, Marketing, and Finance.

Business Law is designed for students to analyze various aspects of the legal environment, including ethics, the judicial system, contracts, personal property, sales, negotiable instruments, agency and employment, business organization, risk management, and real property.

Course ID: 13011700

Campus Offered: BHS CCHS

LEVEL 3 BUSINESS, MARKETING, AND FINANCE

BUSINESS MANAGEMENT

Credit: 1

Prerequisites: None. Grades 10-12. **Recommended Prerequisite:** Principles of Business, Marketing, and Finance.

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, communicating, and controlling. Students will also demonstrate interpersonal and project-management skills.

Course ID: 13012100

Campus Offered: BHS CCHS

ENTREPRENEURSHIP II

Credit: 1

Prerequisites: Entrepreneurship I. Grades 11-12.

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.

Certification Opportunities: Entrepreneurship and Small Business

Course ID: N1303423

Campus Offered: CCHS

LEVEL 4 BUSINESS, MARKETING, AND FINANCE

PRACTICUM IN BUSINESS MANAGEMENT

Credit: 2

Prerequisites: A minimum of two credits from the Business, Marketing, and Finance career cluster. Grade 12.

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education, Students apply technical skills to address business applications of emerging technologies, students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs.

Course ID: 13012200

Campus Offered: BHS CCHS

CAREER CLUSTER: EDUCATION & TRAINING



Level 1 Principles of Education and Training

Human Growth and Development

Level 2

Instructional Practices

Level 3

Practicum in Education and Training

Level 4

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

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

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

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

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

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



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

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



LEVEL 1 TEACHING AND TRAINING

PRINCIPLES OF EDUCATION AND TRAINING

Credit: 1

Prerequisites: None. Grades 9-10.

Principles of Education and Training is designed to introduce learners to the various careers available within the Education and Training Career Cluster. Students use self-knowledge as well as educational and career information to analyze various careers within the Education and Training Career Cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

Course ID: 13014200

Campus Offered: BHS CCHS

LEVEL 2 TEACHING AND TRAINING

HUMAN GROWTH AND DEVELOPMENT

Credit: 1

Prerequisites: None. Grade 10-12. **Recommended Prerequisite:** Principles of Education and Training.

Human Growth and Development is an examination of human development across the lifespan with emphasis on research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

Course ID: 13014300

Campus Offered: BHS CCHS

LEVEL 3 TEACHING AND TRAINING

INSTRUCTIONAL PRACTICES

Credit: 2

Prerequisites: None. Grade 11-12. **Recommended Prerequisite:** One course from the Education and Training program of study.

Instructional Practices is a field-based practicum internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators or trainers in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

Course ID: 13014400

Campus Offered: BHS CCHS

LEVEL 4 TEACHING AND TRAINING

PRACTICUM IN EDUCATION AND TRAINING

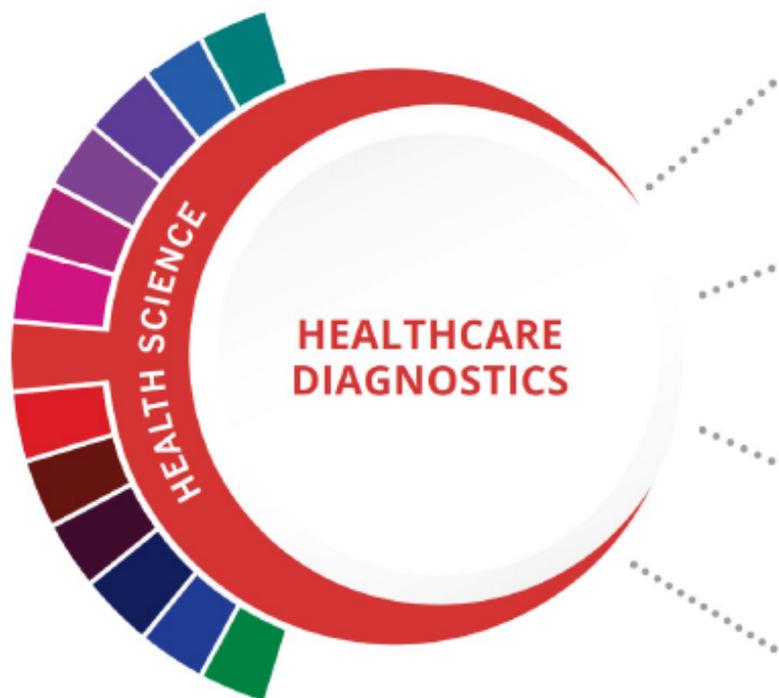
Credit: 2

Prerequisites: Instructional Practices. Grade 12. **Recommended Prerequisite:** Principles of Education & Training and Human Growth & Development

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel.

Course ID: 13014500

Campus Offered: BHS CCHS



	Principles of Health Science
Level 1	
Level 2	Medical Terminology (BHS only) Health Science Theory (CCHS only)
Level 3	Health Science Theory/ Clinical (BHS only) Medical Microbiology Anatomy and Physiology
Level 4	Practicum in Health Science Pathophysiology

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

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

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

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

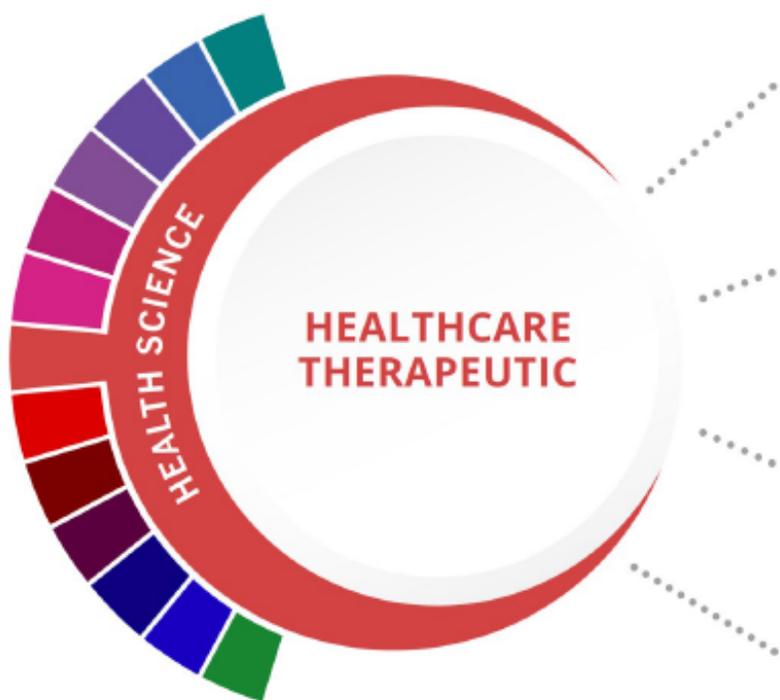
Exploration Activities:	Work Based Learning Activities:
Health Occupation Students of America (HOSA)	Clinical rotations at a community wellness center, hospital, assisted living, nursing home

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



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

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



Level 1	Principles of Health Science
Level 2	Medical Terminology (BHS only) Health Science Theory (CCHS only)
Level 3	Pharmacology (Level 3 CCHS/Level 4 BHS)
Level 4	Practicum in Health Science

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

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

Occupations	Median Wage	Annual Openings	% Growth
Medical Assistants	\$29,398	8,862	30%
Surgical Technologists	\$45,032	1,150	20%
Dental Hygienists	\$73,307	1,353	38%
Physicians and Surgeons	\$213,071	1,151	30%
Dental Assistants	\$34,840	4,422	31%

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

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



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

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



LEVEL 1 HEALTH SCIENCE

PRINCIPLES OF HEALTH SCIENCE

Credit: 1

Prerequisites: None. Grades 9-10.

Principles of Health Science provides students with an overview of the healthcare industry. Focus is on exploration, leadership development, ethical and legal issues and history of medicine and economics and trends in financing health care. Students develop a concept of health and wellness from the perspective of a health consumer as well as a potential professional in the healthcare industry.

Course ID: 13020200

Campus Offered: BHS CCHS

LEVEL 2 HEALTH SCIENCE

HEALTH SCIENCE THEORY

Credit: 1

Prerequisites: Principles of Health Science & Biology. Grades 10-12.

Health Science Theory is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for knowledge and skill development.

Course ID: 13020410

Campus Offered: CCHS

MEDICAL TERMINOLOGY

Credit: 1

Prerequisites: None. Grades 9-10. **Recommended Prerequisite:** One course from the Healthcare Therapeutic program of study.

Medical Terminology is designed to develop a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots and abbreviations. A body systems approach is used, which includes anatomy, common diseases/disorders, diagnostic and therapeutic treatments and common abbreviations. This course is designed to prepare students for Health Science and Anatomy and Physiology.

Course ID: 13020300

Campus Offered: BHS

LEVEL 3 HEALTH SCIENCE

ANATOMY & PHYSIOLOGY

 Credit: 1

Prerequisites: Biology and IPC/Chemistry. Grades 10-12. **Recommended Prerequisite:** One course from a healthcare program of study.

This course introduces a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Students conduct laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. Anatomy & Physiology may satisfy the third or fourth year advanced science course under the Foundation Graduation Plan (HB 5).

Course ID: 13020600

Campus Offered: BHS CCHS

HEALTH SCIENCE THEORY/HEALTH SCIENCE CLINICAL

Credit: 2

Prerequisites: Principles of Health Science & Biology. Grades 11-12.

Health Science Clinical is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for knowledge and skill development. This course is offered in a consecutive block with Health Science Theory to allow students sufficient time to master the content of both courses. This course prepares the student for the clinical medical assistant certification.

Course ID: 13020410

Campus Offered: BHS

MEDICAL MICROBIOLOGY

 Credit: 1

Prerequisites: Biology and Chemistry. Grades 10-12. **Recommended Prerequisite:** One course from the Healthcare Therapeutic program of study.

The Medical Microbiology course is designed to explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Students must meet the 40% laboratory and fieldwork requirement. This course satisfies a high school science graduation requirement. Medical Microbiology can be used as a third or fourth year advanced science course under the Foundation Graduation Plan (HB 5).

Course ID: 13020300

Campus Offered: BHS CCHS

PHARMACOLOGY

Credit: 1

Prerequisites: Biology and Chemistry. Grade 11-12. Recommended Prerequisite: One course from the Healthcare Therapeutic program of study.

At BHS, Pharmacology will be offered as a Level 4/12th grade option paired with Practicum in Health Science.

The Pharmacology course is designed to study the impact of natural and synthetic chemical agents such as drugs on biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. It is an ever-changing, growing body of information that demands greater amounts of time and education from health care workers. This course prepares the student for the pharmacy technician certification.

Certification Opportunity: Certified Pharmacy Technician

Course ID: 13020950

Campus Offered: BHS CCHS

LEVEL 4 HEALTH SCIENCE

PATHOPHYSIOLOGY

 Credit: 1

Prerequisites: Biology and Chemistry. Grade 11-12. Recommended Prerequisite: One course from a healthcare program of study

The Pathophysiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology will study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. Pathophysiology may satisfy a third or fourth year advanced science course under the Foundation Graduation Plan (HB 5).

Course ID: 13020800

Campus Offered: BHS CCHS

PRACTICUM IN HEALTH SCIENCE

Credit: 2

Prerequisites: A minimum of two credits from the Health Science cluster. Grade 12.

This double-blocked one-year course is designed for the student planning to enter into a healthcare career. Students will study and prepare to become certified in one of the three certifications offered. Instruction will be aligned with academic standards and relevant knowledge and skills that will prepare the student for the Patient Care Technician certification (CCHS) and the Pharmacy Technician certification (BHS CCHS).

Course ID: 13020500

Campus Offered: BHS CCHS

CAREER CLUSTER: HOSPITALITY AND TOURISM



Level 1	Principles of Hospitality and Tourism (CCHS only)
Level 2	Hotel Management (CCHS only) Travel and Tourism Management (CCHS only)
Level 3	Hospitality Services (CCHS only)
Level 4	Practicum in Hospitality Services (CCHS only)

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
Certified Hospitality & Tourism Management Professional	Certified Hospitality Supervisor	Hotel/Motel Administration/Management	Hospitality Administration/Management, General	Hospitality Administration/Management, General
Certified Associate in Project Management	Certified Hotel Administrator	Business Administration and Management, General	Business Administration and Management, General	Business Administration and Management, General
Entrepreneurship and Small Business	Certification in Hotel Industry Analytics	Tourism and Travel Services Management	Hotel and Restaurant Management	Hospitality Administration
	Certified Guest Service Professional	Business Administration and Management	Marketing/Management, General	Marketing/Management, General

Occupations	Median Wage	Annual Openings	% Growth
General and Operations Managers	\$107,640	18,679	20%
Lodging Managers	\$48,381	396	19%
Administrative Services Managers	\$96,138	2,277	21%
Meeting, Convention, and Event Planners	\$47,446	1,083	21%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Family, Career, and Community Leaders of America (FCCCLA), American Hotel and Lodging Association	Intern at a resort or lodging property; work at a hotel, summer camp or theme park;

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

The Lodging and Resort Management program of study introduces CTE learners to occupations and educational opportunities related to the logistical and operational management of lodging and resorts. This program of study also explores opportunities related to human resources, financial analysis, and marketing.



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

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



LEVEL 1 HOSPITALITY AND TOURISM

PRINCIPLES OF HOSPITALITY AND TOURISM

Credit: 1

Prerequisites: None. Grade 9-10.

This course introduces students to an industry that encompasses lodging, travel and tourism, recreation, amusements, attractions, and food/beverage operations. Students learn knowledge and skills focusing on communication, time management, and customer service that meet industry standards. Students explore the history and examine characteristics needed for success in the hospitality and tourism industry.

Course ID: 13022200

Campus Offered: CCHS

LEVEL 2 HOSPITALITY AND TOURISM

HOTEL MANAGEMENT

Credit: 1

Prerequisites: None. Grade 10-12. **Recommended Prerequisite:** One course from the Lodging and Resort Management program of study.

Hotel Management focuses on the knowledge and skills needed to pursue staff and management positions available in the hotel industry. This in-depth study of the lodging industry includes departments within a hotel: front desk, food and beverage, housekeeping, maintenance, HR, and accounting. This course focuses on professional communication, leadership, management, human resources, technology, and accounting.

Course ID: 13022300

Campus Offered: CCHS

TRAVEL AND TOURISM MANAGEMENT

Credit: 1

Prerequisites: None. Grade 10-12. **Recommended Prerequisite:** One course in the Lodging and Resort Management program of study.

Travel and Tourism Management incorporates management principles and procedures of the travel and tourism industry as well as destination geography, airlines, international travel, cruising, travel by rail, lodging, recreation, amusements, attractions, and resorts. Employment qualifications and opportunities are also included in this course.

Course ID: 13022500

Campus Offered: CCHS

LEVEL 3 HOSPITALITY AND TOURISM

HOSPITALITY SERVICES

Credit: 2

Prerequisites: Hotel Management. Grades 11-12.

Hospitality Services is designed to prepare students for nationally recognized industry certifications, postsecondary education, and entry-level careers in hospitality related industries. Knowledge and skills are acquired within a hands-on, project based environment such as job rotations and job shadowing experiences. Performance standards meet employer expectations, enhancing the employability of students. This course provides training in hospitality services such as hotel and motel operations and institutional services.

Course ID: 13022800

Campus Offered: CCHS

LEVEL 4 HOSPITALITY AND TOURISM

PRACTICUM IN HOSPITALITY SERVICES

Credit: 2

Prerequisites: A minimum of two credits from the Hospitality and Tourism career cluster. Grade 12.

Practicum in Hospitality Services uniquely integrates academic and career and technical education; provides interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing career field. Students are taught employability skills, including job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. This course is a continuation of Hospitality Services.

Course ID: 13022900

Campus Offered: CCHS

CAREER CLUSTER: LAW AND PUBLIC SERVICE



Level 1	Principles of Law, Public Safety, Corrections, and Security
	Law Enforcement I
Level 2	
	Law Enforcement II
Level 3	
Level 4	Forensic Science Practicum in Law, Public Safety Corrections, and Security (CCHS only)

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

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

Occupations	Median Wage	Annual Openings	% Growth
Police and Sheriff's Patrol Officers	\$60,112	3,241	13%
Probation Officers and Correctional Treatment Officers	\$44,054	793	9%
Correctional Officers and Jailers	\$40,186	4,683	9%
Immigration and Customs Inspectors	\$78,104	1,236	9%
First-Line Supervisors of Police and Detectives	\$91,312	253	23%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

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

The Law Enforcement program of study teaches CTE learners about the development of, adherence to, and protection of various branches of law. Students will learn how to appropriately and legally respond to breaches in the law according to statutory rules and regulations as well as investigate how and why the breaches occurred.



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

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



LEVEL 1 LAW AND PUBLIC SERVICE

PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

Credit: 1

Prerequisites: None. Grades 9-10.

Principles of Law, Public Safety, Corrections, and Security introduces students to professions in law enforcement, protective services, corrections, firefighting, and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, protective services, and corrections.

Course ID: 13029200

Campus Offered: BHS CCHS

LEVEL 2 LAW AND PUBLIC SERVICE

LAW ENFORCEMENT I

Credit: 1

Prerequisites: None. Grades 10-12. **Recommended Prerequisite:** Principles of Law, Public Safety, Corrections, and Security.

Law Enforcement I is an overview of 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.

Course ID: 13029300

Campus Offered: BHS CCHS

LEVEL 3 LAW AND PUBLIC SERVICE

LAW ENFORCEMENT II

Credit: 1

Prerequisites: Law Enforcement I. Grades 11-12.

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. Students will understand the ethical and legal responsibilities, patrol procedures, first responder roles, telecommunications, emergency equipment operations, and courtroom testimony.

Certification Opportunity: Non-Commissioned Security Officer Level II

Course ID: 13029400

Campus Offered: BHS CCHS

LEVEL 4 LAW AND PUBLIC SERVICE

FORENSIC SCIENCE



Prerequisites: Biology and Chemistry. Grades 11-12. **Recommended Prerequisite:** One course from the Law Enforcement program of study.

Forensic Science is a course that applies the technological practices of justice, with biological, chemical and physical science principles, to the study of criminal and civil issues. Major themes of study are pathology, anthropology, odontology, ballistics, trace evidence, biological fluids, DNA, and fingerprint evidence. Students will have the opportunity to collect and analyze such evidence through case studies and mock crime scenes. Lab activities will be based on crime scene scenarios. Students will also learn about the history and legal aspects of forensic science and career options available in the forensic field. This course prepares students going into the field by teaching how to avoid biases and maintain ethical practices. Forensic Science may satisfy a third or fourth year advanced science credit under the Foundation Graduation Plan (HB 5).

Course ID: 13029500

Campus Offered: BHS CCHS

PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY

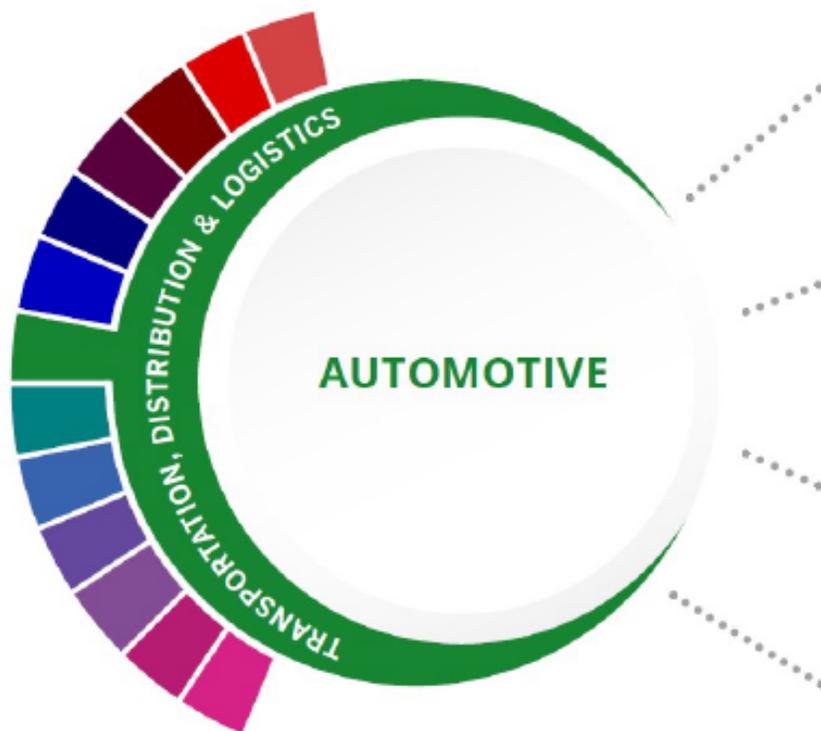
Credit: 2

Prerequisites: A minimum of two credits from the Law, Public Safety, Corrections and Security career cluster. Grade 12.

The practicum course is designed to give students supervised practical application of previously studied knowledge and skills in law, public safety, corrections, and security. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Course ID: 13030100

Campus Offered: CCHS



Level 1	Automotive Basics (BHS only)
Level 2	Automotive Technology I (BHS only)
Level 3	Automotive Technology II (BHS only)
Level 4	Practicum in Transportation Systems (BHS only)

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

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

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities: SkillsUSA competition Automotive Service Association	Work Based Learning Activities: Work at a local automotive repair or body shop.

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

The Automotive program of study teaches CTE learners how to repair and refinish automobiles and service various types of vehicles. CTE learners may learn to collect payment for services or supplies and perform typical vehicle maintenance procedures such as lubrication, oil changes, installation of antifreeze, or replacement of accessories like wiper blades or tires.



The Transportation, Distribution, and Logistics Career Cluster focuses on careers in planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

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

LEVEL 1 TRANSPORTATION, DISTRIBUTION, & LOGISTICS



AUTOMOTIVE BASICS

Credit: 1

Prerequisites: None. Grades 9-10.

In this course students will learn about the automotive industry, related career opportunities, and certifications that are available. Learning objectives address shop and personnel safety, tool identification of hand and power equipment, and vehicle systems such as: brakes, fuel maintenance, lubrication, cooling, exhaust, steering, suspension, engine fundamental and repair. Students will have the opportunity to participate in leadership activities and contests through the student leadership organization SkillsUSA.

Course ID: 13039550

Campus Offered: BHS

LEVEL 2 TRANSPORTATION, DISTRIBUTION, & LOGISTICS

AUTOMOTIVE TECHNOLOGY I: MAINTENANCE & LIGHT REPAIR



Credit: 2

Prerequisites: Automotive Basics. Grades 10-12.

This course will provide basic automotive knowledge for entry-level employment in automotive careers. Training includes use of manuals to conduct service and repair of basic components of automobiles: engine systems, powertrain systems, steering, suspensions, brake systems, heating and air-conditioning systems. Students will have the opportunity to participate in leadership activities and contests through the student leadership organization SkillsUSA. This course is part of the Automotive Technology Career Academy and students will have the opportunity to earn dual credit through Austin Community College.

Certification Earned: ASE Entry-Level Certification

Course ID: 13039600

Campus Offered: BHS

LEVEL 3 TRANSPORTATION, DISTRIBUTION, & LOGISTICS

AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE



Credit: 2

Prerequisites: Automotive Technology I: Maintenance & Light Repair. Grades 11-12.

Students will study the advanced side of vehicle systems. Students will learn how vehicle systems work by conducting diagnostic tests, and performing appropriate replacement of parts and repair. Areas included are engine diagnostics, drivetrain, steering and suspension, brakes, clutches, battery, starting, charging and electrical systems. Students will also learn how to operate/run a shop. Students will have the opportunity to participate in leadership activities and contests through the student leadership organization SkillsUSA. This course is part of the Automotive Technology Career Academy and students will have the opportunity to earn dual credit through Austin Community College.

Course ID: 13039700

Campus Offered: BHS

LEVEL 4 TRANSPORTATION, DISTRIBUTION, & LOGISTICS

PRACTICUM IN TRANSPORTATION SYSTEMS (AUTM 1410 and 1416) DUAL CREDIT

Credit: 2

Prerequisites: A minimum of two credits from the Transportation, Distribution, and Logistics career cluster. Grade 12.

The Automotive Technology Practicum is designed to give students supervised practical application of knowledge and skills in the automotive career fields. The practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or Automotive Technology Shop. This course is part of the Automotive Technology Career Academy and students will have the opportunity to earn dual credit through Austin Community College.

Course ID: 13040450

Campus Offered: BHS

CAREER CLUSTER: SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS



Level 1 Fundamentals of Computer Science (CCHS only)

AP Computer Science Principles (CCHS only)

Level 2

AP Computer Science A (CCHS only)

Level 3

Cybersecurity Capstone (CCHS only)

Level 4

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

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

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

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

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

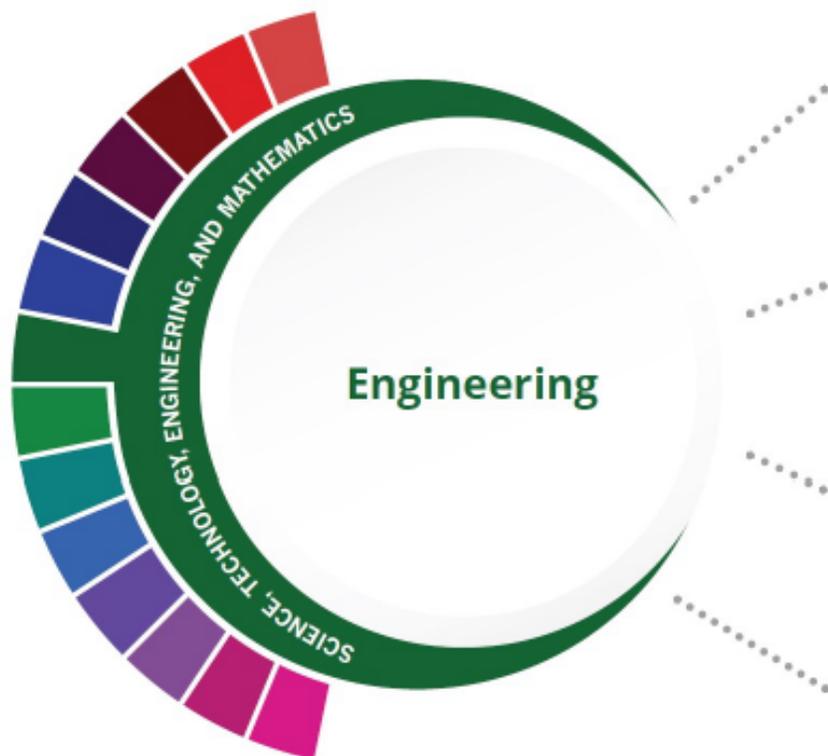
The Cybersecurity program of study includes the occupations and educational opportunities related to planning, implementing, upgrading, or monitoring security measure for the protection of computer networks and information. This program of study may also include exploration into responding to computer security breaches and virus and administering network security measures.



The Science, Technology, Engineering, and Mathematics (STEM) Career Cluster focuses on planning, managing, and providing, scientific research and professional and technical services, including laboratory and testing services, and research and development services.

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





Level 1	Principles of Applied Engineering
Level 2	Engineering Science Robotics II (BHS only)
Level 3	Digital Electronics Engineering Design and Problem Solving (Robotics III BHS only)
Level 4	Aerospace Engineering (PLTW) Civil Engineering and Architecture (PLTW) Computer Integrated Manufacturing (PTLW) Practicum in STEM

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

Occupations	Median Wage	Annual Openings	% Growth
Aerospace Engineers	\$110,843	481	9%
Industrial Engineers	\$97,074	1,263	10%
Mechanical Engineers	\$91,107	1,335	11%
Chemical Engineers	\$112,819	474	9%
Electrical Engineers	\$98,405	1,137	10%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
Participate in competitions like Skills USA	Engineering internship Job shadow a machinist

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

The Engineering program of study focuses on the design, development, and use of engines, machines, and structures. CTE learners will learn how to apply science, mathematical methods, and empirical evidence to the innovation, design, construction, operation, and maintenance of different manufacturing systems.



The Science, Technology, Engineering, and Mathematics (STEM) Career Cluster focuses on planning, managing, and providing, scientific research and professional and technical services, including laboratory and testing services, and research and development services.

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



LEVEL 1 SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

FUNDAMENTALS OF COMPUTER SCIENCE

Credit: 1

Prerequisites: None.

Students will learn about computing tools that are used every day. Students will foster creativity and innovation through designing, implementing, and presenting solutions to real-world problems. Students will collaborate and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will learn the problem-solving and reasoning skills that are the foundation of computer science. By using knowledge and skills that support the work of individuals and groups in solving problems, students will select task-appropriate technology, synthesize knowledge, create solutions, and evaluate results. Students will learn digital citizenship by researching laws and regulations. Students will gain an understanding of the principles of computer science through the study of technology operations and concepts.

Course ID: 03580140

Campus Offered: CCHS

PRINCIPLES OF APPLIED ENGINEERING

Credit: 1

Prerequisites: None Grades: 9-10

Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will understand the various fields of engineering and will be able to make informed career decisions. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments.

Course ID: 13036200

Campus Offered: BHS CCHS

LEVEL 2 SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

AP COMPUTER SCIENCE PRINCIPLES

Credit: 1

Prerequisite: Algebra 1. Grades 10-12.

The AP Computer Science Principles course is designed to be equivalent to a first- semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using tools to analyze and study data and working with large data sets to draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop artifacts based on their interests. Students will also develop effective communication and collaboration skills by solving problems both individually and collaboratively, and will discuss and write about the impacts these solutions could have on their community, society, and the world.

Course ID: A3580300

Campus Offered: CCHS

PROJECT LEAD THE WAY: ENGINEERING SCIENCE HONORS

 Credit: 1

Prerequisites: Algebra I and enrollment in/completion of Biology, Chemistry, IPC or Physics

Engineering Science is designed to expose students to some of the major concepts and technologies that they will encounter in a postsecondary environment in any engineering domain. Students will investigate engineering and high-tech careers. In Engineering Science, students will employ STEM concepts to develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. They will also learn how to document work and communicate solutions to peers and members of the professional community. Honors weighted GPA.

Course ID: 13037500

Campus Offered: BHS CCHS

ROBOTICS II

 Credit: 1

Prerequisites: Principles of Applied Engineering. Grades 10-12.

In Robotics II, students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs. This course satisfies a math credit requirement for students on the Foundation High School Program.

Course ID: 13037050

Campus Offered: BHS

LEVEL 3 SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

AP COMPUTER SCIENCE A



Credit: 1

Prerequisite: Algebra I. **Recommended Prerequisite:** AP Computer Science Principles. Grades 10-12

This course introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. This course can be used as a third or fourth year advanced math credit under the Foundation Graduation Plan (HB 5). Receives Honors weighted GPA.

Course ID: A3580120

Campus Offered: CCHS

ENGINEERING DESIGN AND PROBLEM SOLVING (ROBOTICS III)

Credit: 1

Prerequisites: Robotics II, Algebra I and Geometry. Grades 11-12.

The Engineering Design and Problem-Solving course is the creative process of solving problems by identifying needs and then devising solutions. The solution may be a product, technique, structure, or process depending on the problem. Science aims to understand the natural world, while engineering seeks to shape this world to meet human needs and wants. Engineering design takes into consideration limiting factors or "design constraints." Various engineering disciplines address a broad spectrum of design problems using specific concepts from the sciences and mathematics to derive a solution. The design process and problem solving are inherent to all engineering disciplines. This course satisfies a high school science graduation requirement. Students shall be awarded one credit for successful completion of this course.

Course ID: 13037300

Campus Offered: BHS

PROJECT LEAD THE WAY: DIGITAL ELECTRONICS HONORS



Credit: 1

Prerequisites: Algebra I and Geometry. Grades 10-12. **Recommended Prerequisite:** One course from the Engineering program of study.

Digital Electronics is the study of electronic circuits that are used to process and control digital signals. In contrast to analog electronics, where information is represented by a continuously varying voltage, digital signals are represented by two discrete voltages or logic levels. This distinction allows for greater signal speed and storage capabilities and has revolutionized the world of electronics. Digital electronics is the foundation of modern electronic devices such as cellular phones, digital audio players, laptop computers, digital cameras, and high-definition televisions. The primary focus of Digital Electronics is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation. Digital Electronics can be used as a third or fourth year advanced math credit under the Foundation Graduation Plan (HB 5). Receives Honors weighted GPA.

Course ID: 13037600

Campus Offered: BHS CCHS

LEVEL 4 SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

PROJECT LEAD THE WAY: COMPUTER INTEGRATED MANUFACTURING HONORS

Credit: 1

Prerequisites: None. Grades 11-12. **Recommended Prerequisite:** Principles of Applied Engineering and Engineering Science

Manufactured items are part of everyday life. This course shows students many of the exciting career opportunities in the manufacturing industry. Computer Integrated Manufacturing is one of the specialization courses in the PLTW Engineering program. The course deepens the skills and knowledge within the context of efficiently creating products all around us. Students build upon their Computer Aided Design (CAD) experience through the use of Computer Aided Manufacturing (CAM) software. Students learn and apply concepts related to integrating robotic systems such as Automated Guided Vehicles (AGV) and robotic arms into manufacturing systems. Throughout the course students learn about manufacturing processes and systems. This course culminates with a capstone project where students design, build, program, and present a manufacturing system model capable of creating a product.

Course ID: N1303748

Campus Offered: BHS

PROJECT LEAD THE WAY: AEROSPACE ENGINEERING HONORS

Credit: 1

Prerequisites: Engineering Science or Digital Electronics. Grades 11-12.

Aerospace Engineering explores the evolution of flight, navigation and control, flight fundamentals, aerospace materials, propulsion, space travel, and orbital mechanics. Additionally, students learn alternative applications for aerospace engineering concepts. Receives Honors weighted GPA.

Course ID: N1303745

Campus Offered: CCHS

PROJECT LEAD THE WAY: CIVIL ENGINEERING AND ARCHITECTURE HONORS

Credit: 1

Prerequisites: Engineering Science or Digital Electronics. Grades 11-12.

Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3-D architectural design software. Receives Honors weighted GPA.

Course ID: N1303747

Campus Offered: CCHS

PRACTICUM IN STEM

Credit: 2

Prerequisites: A minimum of two credits from the STEM career cluster, Algebra I and Geometry. Grade 12.

This is a capstone course for students to apply skills and knowledge from previous STEM courses within a professional working environment. They develop understanding of professional and ethical issues encountered in a STEM workplace. Students also refine skills in problem solving, research and data, communication, teamwork, and project management. Programming can include laboratory training, mentoring, internships, cooperative education, service learning, or job shadowing. This course aims to prepare students for postsecondary study and/or work in a STEM-related field.

Course ID: 13037400

Campus Offered: BHS

PROJECT LEAD THE WAY: CYBERSECURITY CAPSTONE HONORS

Credit: 1

Recommended Prerequisite: Foundations of Cybersecurity

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. Cybersecurity Capstone may serve as a culminating course in the Program of Study.

Certification Opportunities: CompTIA A+, Network+ or Security+

Course ID: 03580855

Campus Offered: CCHS

General Electives

EFFECTIVE LEARNING STRATEGIES FOR COLLEGE SUCCESS DUAL CREDIT (EDUC 1300)



Credit: .5

Prerequisites: TSI College Ready. Grades 10-12.

Students go through the Early College Start Application Process and must meet college readiness requirements. Upon successful completion, students will earn elective credit for College Readiness and Study Skills

Course ID: N1290050

Campus Offered: BHS CCHS

NAVAL JR. ROTC I



Credit: 1

Prerequisites: Participation physical evaluation - medical history and health screening questionnaire.

The NJROTC program is a four-year program co-sponsored by the Bastrop Independent School District and the United States Navy. This course introduces students to the precepts of citizenship, elements of leadership, and the value of scholarship in attaining goals. This program recognizes the significant role of sea power in the past, present and future of the United States. Leadership, citizenship, maritime geography, navigation, basic seamanship and naval history are included in the academic portion. In addition to a wide variety of academic subjects, this program includes extra classroom activities where students are introduced to military procedures, including drill, orienteering, weapon safety, and physical training. This program also offers the opportunity for students to compete against other schools at field drill meets, participate in orientation cruises and flights, and visit military museums, historical military sights and naval shore facilities.

This program of military instruction is coeducational and will benefit the student, the community, and our nation. Uniforms, equipment, textbooks and travel are provided for the student. No military obligation or connection is incurred by students due to or because of Navy Junior ROTC training. As part of the team building concepts and principles, all students enrolled in NJROTC will be required to join one of the seven teams sponsored by the NJROTC program. Teams are as follows: Armed Drill Team, Unarmed Drill Team, Color Guard, Rifle Team, Orienteering, Athletic, and Academic. In addition, each cadet is required to have a physical each year performed by a certified physician prior to participating in NJROTC sponsored events or physical training. PE credit will be awarded.

Course ID: PES00004

Campus Offered: BHS

NAVAL JR. ROTC II, III, IV

Credit: 1

Prerequisites: Participation physical evaluation - medical history and health screening questionnaire.

The NJROTC program is a four-year program co-sponsored by the Bastrop Independent School District and the United States Navy. This course introduces students to the precepts of citizenship, elements of leadership, and the value of scholarship in attaining goals. This program recognizes the significant role of sea power in the past, present and future of the United States. Leadership, citizenship, maritime geography, navigation, basic seamanship and naval history are included in the academic portion. In addition to a wide variety of academic subjects, this program includes extra classroom activities where students are introduced to military procedures, including drill, orienteering, weapon safety, and physical training. This program also offers the opportunity for students to compete against other schools at field drill meets, participate in orientation cruises and flights, and visit military museums, historical military sights and naval shore facilities.

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Course ID: 03160200, 03160300, 03160400

Campus Offered: BHS

OFFICE ASSISTANT

Credit: .5-1 Local elective credit

Prerequisites: Teacher/Supervisor/Counselor approval. Application process at CCHS. Grade 12.

Senior students are selected to assist staff, office personnel, and selected teachers to perform various duties. Students gain experience by helping to prepare and organize materials. This course will have limited enrollment. A teacher assistant may be assigned to assist department heads, those who teach a technology or lab-based course, office staff, librarians, nurses, and others as approved by the campus principal. This course can only be counted as a local credit. **Students must be CCMR complete prior to enrollment.**

Course ID: 85000930

Campus Offered: BHS CCHS

PEER ASSISTANCE AND LEADERSHIP I, II

Credit: 1 for each level

Prerequisites: Teacher Approval.

This course is a peer helping program in which selected high school students will be trained to work as peer facilitators with other students in all grade levels (K-12). Participants will be trained in a variety of helping skills which will enable them to assist other students in having a more positive and productive school experience.

Course ID: N1290005; N1290006

Campus Offered: BHS

SPORTS MEDICINE I

Credit: 1

Prerequisites: Principles of Health Science. Grades 10-12.

This course is an opportunity for the study and application of the components of sports medicine including but not limited to sports medicine related careers, prevention of athletics injuries, recognition, evaluation, and immediate care of athletic injuries, rehabilitation and management skills, taping and wrapping techniques, first aid/CPR/AED, emergency procedures, nutrition, sports psychology, human anatomy and physiology, therapeutic modalities, and therapeutic exercise. This course will require extracurricular time.

Course ID: N1150040

Campus Offered: BHS CCHS

SPORTS MEDICINE II/III

Credit: 1

Prerequisites: Sports Medicine I. Grades 11-12

This course provides an in-depth study of application of the components of sports medicine for athletic training students. Individualized and independent assignments will be included in this course. Time outside of school is required for this class. Participation is voluntary and students are subject to removal from the program based on campus handbook.

Course ID: N1150041, N115004

Campus Offered: BHS CCHS

STRATEGIC LEARNING FOR HIGH SCHOOL MATH

Credit: 1

Prerequisites: Grade 11.

This course is intended to create strategic mathematical learners from underprepared mathematics students. The basic understandings will stimulate students to think about their approach to mathematical learning. These basic understandings will include identifying errors in the teaching and learning process, input errors, physiological concerns, and key cognitive skills. The essential knowledge and skills will foster a deeper understanding of the task of learning mathematical concepts. Use of personal data and statistical analysis will establish relevance and aid in creation of individualized learning plans (I.L.P.'s).

Course ID: N1110030

Campus Offered: BHS CCHS

STUDENT COUNCIL 1 - STUDENT LEADERSHIP

Credit: 1

Prerequisites: None.

This course provides an opportunity to study, practice, and develop group and individual leadership and organizational skills. These skills include the structure of leadership, organization and managerial skills, citizenship, goal setting, group processes and communications. This course can only count toward 1 elective credit. Subsequent years will count toward local (non-state) credit.

Course ID: N1290010

Campus Offered: BHS CCHS

STUDENT COUNCIL 2 - INNOVATIVE THINKING

Credit: 1

Prerequisites: Teacher Approval

This class is designed to provide planning time for student council members. This course may be taken one or both semesters. Members will aid the sponsor in planning and preparation for student council projects. This course can only count toward 1 elective credit. Subsequent years will count toward local (non-state) credit.

Course ID: N1290450

Campus Offered: BHS CCHS

CAREER PREPARATION I

Credit: 2-3

Prerequisites: None. Grades 11-12. Recommended Prerequisite: A minimum of two credits in Career and Technical Education courses.

Career Preparation I provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career Preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success. Students will participate in a paid work based learning experience and must be placed by the fifteenth class day.

Course ID: 12701300/12701305

Campus Offered: BHS CCHS

CAREER PREPARATION II

Credit: 2-3

Prerequisites: Career Preparation I. Grades 11-12. Recommended Prerequisite: A minimum of two credits in Career and Technical Education courses.

Career Preparation II provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career Preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success. Students will participate in a paid work based learning experience and must be placed by the fifteenth class day.

Course ID: 12701400/12701405

Campus Offered: BHS CCHS

Contacts, Notices, and Notifications

Curriculum & Instruction Associate Superintendent and Directors	Bastrop High School	Cedar Creek High School
<p>Adelaida Olivarez, Ed. D. Associate Superintendent of Curriculum & Instruction</p> <hr/> <p>Emily Bain Director of Digital Learning</p> <p>Amanda Brantley Director of CTE and College, Career, and Military Readiness</p> <p>Heather Christie Director of Curriculum & Accountability</p>	<p>Trish Flores Director of Bilingual/ESL Programming</p> <p>Reba King Director of Early Literacy</p> <p>Luis Portillo Director of Fine Arts</p> <p>Kendra Monk Director of Federal & State Programs and School Improvement</p> <p>Jackie Wanack Director of Special Services</p>	<p>Krystal Gabriel Principal</p> <p>Tiffany Peirson Associate Principal</p> <p>Stacey Widner Lead Counselor</p>
		<p>Bridgette Cornelius Principal</p> <p>Kasie Stagman Associate Principal</p> <p>Bonnie Bosarge Lead Counselor</p>

NOTICE

It is the policy of Bastrop ISD not to discriminate on the basis of race, color, national origin, sex, handicap, or age as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age of Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended.

It is the policy of Bastrop 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. For information about your rights or grievance procedures, contact the Deputy Superintendent, Barry Edwards, at 906 Farm St. Bastrop, Texas 78602, 512-772-7100, and/or the Section 504 Director, Jackie Wanack, at 906 Farm St., Bastrop, Texas, 78602, 512-772-7100.

Es normal de Bastrop ISD no discriminar por motivos de raza, color, origen nacional, sexo, impedimento o edad, en sus procedimientos de, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el 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.

Es normal de Bastrop ISD no discriminar por motivos de raza, color, origen nacional, sexo, impedimento o edad, en sus procedimientos de empleo, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el 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. Para información sobre sus derechos o procedimientos para quejas, comuníquese con el Coordinador del Deputy Superintendent, Barry Edwards, en el 906 Farm St., Bastrop, Texas 78602, 512-772-7100, y/o el Sección 504 Director, Jackie Wanack, en el 906 Farm St., Bastrop, Texas 78602, 512-772-7100.

ACCESS TO STUDENT RECORDS

The principal is the custodian of records for all students in the assigned school. The Superintendent is the custodian of records for students who have withdrawn or graduated.

Public Law 93-380 provides for the protection of the rights and privacy of parents and students. The Bastrop Independent School District will abide by the provisions of this act by making available to parents (or eligible students) official records and files included in his/her cumulative record folder as provided by the law. Bastrop Independent School District will not release personally identifiable records or files of students without the permission of appropriate persons except as provided in the law.

El director es el custodio de los registros de todos los estudiantes en la escuela asignada. El Superintendente es el custodio de los registros de los estudiantes que se han retirado o graduado.

La Ley Pública 93-380 prevé la protección de los derechos y la privacidad de los padres y estudiantes. El Distrito Escolar Independiente de Bastrop cumplirá con las disposiciones de esta ley al poner a disposición de los padres (o estudiantes

elegibles) los registros y archivos oficiales incluidos en su carpeta de registros acumulativos según lo estipulado por la ley. El Distrito Escolar Independiente de Bastrop no divulgará los registros o archivos de identificación personal de los estudiantes sin el permiso de las personas apropiadas, excepto lo dispuesto en la ley.

PUBLIC NOTIFICATION OF NONDISCRIMINATION IN CAREER AND TECHNICAL EDUCATION

Bastrop ISD offers Career and Technical Education programs in Agriculture, Food, and Natural Resources, Architecture and Construction, Arts, A/V Technology, and Communication, Business Management and Administration, Finance, Health Science, Hospitality and Tourism, Human Services, Information Technology, Law, Public Safety, Corrections, and Security, Manufacturing, Marketing, Science, Technology, Engineering and Mathematics, Transportation, Distribution, and Logistics. Admission to these programs is based on open enrollment.

It is the policy of Bastrop 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.

Bastrop 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 Deputy Superintendent, Barry Edwards at 906 Farm St, Bastrop, Texas 78602, 512-772-7100 and/or the Section 504 Director, Jackie Wanack at 906 Farm St, Bastrop, Texas 78602, 512-772-7100.

NOTIFICACIÓN PÚBLICA DE NO DISCRIMINACIÓN EN CARRERA Y EDUCACIÓN TÉCNICA

Bastrop ISD ofrece programas vocacionales en Agricultura, Alimentación y Recursos Naturales, Arquitectura y Construcción Arte, Tecnología A/V y Comunicación, Administración de Negocios y Gerencia, Finanzas, Ciencias de la Salud, Hotelería y Turismo, Servicios Humanos, Informática, Leyes, Seguridad Pública, Pública y Seguridad, Manufactura, Mercadotecnia, Ciencias, Tecnología, Ingeniería y Matemáticas, Transporte, Distribución y Logística. La admisión a estos programas se basa en inscripción abierta.

Es norma de Bastrop ISD no discriminar por motivos de raza, color, origen nacional, sexo, impedimento o edad, en sus procedimientos de empleo, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el 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.

Bastrop ISD 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 para quejas, comuníquese con el Deputy Superintendent, Barry Edwards at 906 Farm St, Bastrop, Texas 78602, 512-772-7100 and/or the Section 504 Director, Jackie Wanack at 906 Farm St, Bastrop, Texas 78602, 512-772-7100.