

Crandall High School

2022-2023

Academic Planning Guide



The Crandall Independent School District does not discriminate on the basis of race, color, gender, age, national origin, religion, orientation, or disability in matters affecting employment or in providing access to programs.

Inquiries related to the policies of the Crandall ISD should be directed to the Assistant Superintendent of Human Resources and Administration at 400 W. Lewis, Crandall, TX 75114 or 972-427-6000.

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Availability of programs of study and courses may vary based on availability due to staffing, facilities and student interest.

ADVANCED ACADEMICS

Advanced Placement and Honors Guidelines

Advanced Placement (AP) and Honors classes offer college and work preparation for students while they are still in high school. Students are encouraged to take AP classes and exams in order to prepare for college and for possible college credit. Receiving college credit while still in high school can save thousands of dollars on college tuition and also enhance the likelihood of college success.

All Crandall ISD students who wish to accept the academic challenge of an AP or Honors class are welcome to participate in those programs; however, students and parents/guardians should be aware of the prerequisites required for each class. Since state testing requirements can and do change, prerequisites related to state testing can change. Any student who fails to demonstrate academic readiness on course related performance assessments, including STAAR, must receive principal or designee and parent/guardian permission to enroll in the advanced class. Students and parents/guardians should be aware of the expectations and rigorous coursework for these classes so they can make informed decisions prior to making a commitment to course selections.

All students considering Advanced Placement courses are encouraged to take Honors classes as preparation for college level coursework. Our goal is for students to be successful at the highest possible level. Honors/AP classes in CISD stimulate and challenge motivated students to perform at an advanced academic level and are more rigorous and in-depth than regular classes. These classes include different types of assignments, and require additional outside reading. Resourceful, dedicated and trained Honors/AP teachers work with their students to develop and apply the skills, abilities, and content knowledge that will be necessary for college.

Parental support plays a key role in the success of Honors/AP students; therefore, please read and note the following criteria:

Student/Parent/Guardian Responsibilities:

- Students must demonstrate academic readiness on course-related performance assessments such as STAAR.
- AP and Honors courses require more independent work and study time per week than a regular class. Students will need to read and prepare outside of class to participate effectively in classroom discussions and activities. Maintaining excellent class attendance and managing out-of-class time effectively will be required.
- In order to be successful, students must commit to full participation and seek assistance when needed.
- Acceptance of late work in Honors courses allows students **one day** to turn in late work. Additionally, a student will receive a grade of no higher than 70% on the late assignment.
- There is no acceptance of late work for AP classes, with the exception of extenuating circumstances.

- Students enrolled in an AP course are expected to take the AP test at the end of the course.
- Students enrolled in an AP course are not exempt from fall final exams for AP class in which they are enrolled.

The following guidelines/criteria will apply if a student is recommended for removal from an AP or Honors course:

- For all students making below a 70 average on any progress report for any six week grading period, the teacher will contact the parent or guardian to discuss coursework and the expectations and requirements to continue in the AP or Honors course.
- A student whose semester grade for the AP class falls below 70 shall be removed from the AP or Honors course and placed in a general level course, if a general level course is available.
- A student may request to be removed from an Honors or AP course to an appropriate level course at the end of any grading period, within the first 6 weeks of the semester. After the first six weeks, the student will remain in the course until semester. Teacher, administrator, and parent/guardian approval is required.
- Students who are enrolled in AP and Honors courses are responsible for maintaining the academic integrity of CISD by completing all assigned work without engaging in cheating, fraud, plagiarism, or prohibitive electronic assistance. A documented finding of academic dishonesty shall result in academic and disciplinary consequences as outlined in the CISD Academic Grading Regulation.
- Removal from an AP or Honors class will not prohibit a student from taking an AP or Honors class in the future.

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. Students should understand that much of the work is done outside of class. An A or B in the subject area indicates that the student has the academic ability and the task commitment to succeed.

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/guardians 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. There is a fee for each AP exam the student chooses to take. The fees can vary for each exam. The campus counseling centers have additional information or visit the College Board website at <http://apcentral.collegeboard.com/home>.

Special Education/Section 504 Accommodations*

Crandall ISD students who currently receive 504/SPED accommodations for their high school courses should schedule a visit with the college campus Coordinator of Disability Services. High school accommodations may not be recognized in a college course.

As Applies to Honors/AP Students:

The following guidelines are intended to apply to eligible special education and Section 504 students who enroll in Honors or AP courses. While Honors/AP courses are open to any student wishing to enroll, including special education and Section 504 students; counselors, parents/guardians, ARD Committees and Section 504 Committees should be aware that these are high-level academic classes. To be eligible for accommodations in a Honors/AP class, the student must be eligible for the same accommodations in a non- Honors/AP classroom. The following guidelines shall be applicable to all special education and Section 504 students who enroll in Honors/AP courses:

1. Special Education or Section 504 students must have equal opportunity to participate in Honors or AP courses.
2. 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. The student should be expected to be successful in a Honors or AP course with the allowable accommodations.
3. 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.

ADVANCED ACADEMICS - DUAL CREDIT

Dual Credit Program

The dual credit program allows students to earn credit for high school while also earning college credit through Trinity Valley Community College (TVCC). Students may register for pre-approved college courses taught at the high school, online, or at the college campus, TVCC. Each student must meet TVCC admission requirements in order to register for classes. (see below)

TVCC Admission Requirements:

The requirements to qualify for admission into the dual credit program are passing scores from one of the following tests:

1. TSIA SCORES:
 - A. Mathematics; minimum of 950; below 950 must have a diagnostic level of 6.
 - B. English Language Arts Reading (ELAR); minimum of 945 and an essay of at least 5/ below 945 must have a diagnostic level of 5 or 6 and an essay score of at least 5.
2. PSAT SCORES:
 - A. Evidenced-based Reading and Writing; Minimum of 460
 - B. Mathematics; minimum of 510
3. ACT:
 - A. English; composite score of 23, minimum of 19
 - B. Mathematics; composite score of 23, minimum of 19
4. SAT:
 - A. Evidenced Based Reading and Writing; minimum of 480
 - B. Mathematics; minimum of 530
5. STAAR EOC;
 - A. Algebra 1; level2 (4000) and passing grade in high school Algebra 2
 - B. English 2; level 2 (4000)

TVCC's complete Testing Policy can be found here: <https://www.tvcc.edu/Dual-Credit/files/Testing%20Requirements%20updated.pdf>

All Crandall ISD students who wish to accept the academic challenge of a dual credit class are welcome to participate in those programs; however, students and parents/guardians should be aware of the prerequisites required for each class. Since state testing requirements can and do

change, prerequisites related to state testing can change. Any student who fails to demonstrate academic readiness on course related performance assessments, including STAAR, must receive principal or designee and parent/guardian permission to enroll in the advanced class. Students and parents/guardians should be aware of the expectations and rigorous coursework for these classes so they can make informed decisions prior to making a commitment to course selections.

All students considering dual credit courses are encouraged to take Honors classes as preparation for college level coursework. Our goal is for students to be successful at the highest possible level. Dual Credit classes in CISD stimulate and challenge motivated students to perform at an advanced academic level and are more rigorous and in-depth than regular classes. These classes include different types of assignments, and require additional outside reading. Resourceful, dedicated and trained dual credit teachers work with their students to develop and apply the skills, abilities, and content knowledge that will be necessary for college.

Parental support plays a key role in the success of dual credit students; therefore, please read and note the following criteria:

Student/Parent/Guardian Responsibilities:

- Students must demonstrate academic readiness on course-related performance assessments such as STAAR.
- Dual credit courses require more independent work and study time per week than a regular class. Students will need to read and prepare outside of class to participate effectively in classroom discussions and activities. Maintaining excellent class attendance and managing out-of-class time effectively will be required.
- In order to be successful, students must commit to full participation and seek assistance when needed.
- Late work policies in dual credit courses are determined by the faculty of TVCC.
- Grading policies / expectations in dual credit courses are determined by the faculty of TVCC.
- CHS exemption policies do not apply to dual credit classes.

In addition, the following shall also pertain:

- Any student who failed a CISD or TVCC dual credit course the prior semester will be put on probationary dual credit status per the following TVCC Scholastic Probation Policy:

SCHOLASTIC PROBATION: Students whose current or cumulative grade point average falls below 2.0 are placed on probation and must meet with the Academic Review Board before being allowed to register for classes. The Academic Review Board will review the student's records and identify relevant success parameters to assist the student. These parameters may consist of assigning the student a monitor for the semester, designating the courses the student must take, limiting the number of semester credit hours for registration, etc. Students on scholastic probation must comply with the conditions and requirements specified by the Board, or the student will be subject to dismissal from the College. (TVCC Student Handbook; p. 21; <https://www.tvcc.edu/Dual-Credit/files/2021-2022/2021-2022%20TVCC%20Student%20Handbook%20WEBSITE.pdf>)

- If another course is failed, the following semester after this placement, the student will not be allowed to register for another semester of dual credit. (CHS dc probationary status form)
- Poor attendance will result in the student having to receive approval from the dual credit counselor to register for the following semester. (CHS dc probationary status form)
- Any CISD student who wishes to withdraw from a TVCC course or make a change to their courses in which they are enrolled must see the dual credit counselor to make that change.
- If a student withdraws from a TVCC course, they will assume all responsibility for any associated fees and tuition that will need to be reimbursed if they have already been paid by the district.

For the 2022-2023 school year, Crandall ISD will pay tuition for all **eligible** (see criteria for eligibility) dual credit students up to 2 courses (6-8 credit hours) per semester during the Fall and Spring semesters only. The fall semester includes the winter mini semester and spring semester includes the May mini semester. Summer dual credit tuition remains the responsibility of the student as does any tuition beyond the 2 courses covered per semester. **Students will be responsible for textbooks and other course fees. Students are also responsible for tuition for any courses taken more than once.**

All dual credit course grades which qualify per CISD grading policy will be recorded numerically and used in averaging the high school GPA and calculating rank. Dual credit courses will be weighted according to the adopted grading system by CISD school board EIC local policy. ([https://policyonline.tasb.org/Policy/Download/755?filename=EIC\(LOCAL\).pdf](https://policyonline.tasb.org/Policy/Download/755?filename=EIC(LOCAL).pdf)).

To receive high school credit for a TVCC dual credit course, a student must earn a grade of 70 or higher. If only one of two college courses listed together (ie. ENGL 1301 and 1302) is completed, dual credit courses cannot be averaged with the equivalent high school course for semester averaging or to regain credit. (Pass Average Rule does not apply) The student will have to gain the failed credit in a credit recovery class or retake the semester the following year.

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.

After discussing your interest to take dual credit courses with your counselor, see the dual credit counselor on your campus to enroll at TVCC.

CRANDALL ISD FUNDED DUAL CREDIT - ELIGIBILITY CRITERIA

For the 2021-2022 school year, Crandall ISD will pay tuition for all **eligible** (see criteria for eligibility below) dual credit students up to 2 courses (6-8 credit hours) per semester during the Fall and Spring semester only. Summer dual credit tuition remains the responsibility of the student as does any tuition beyond the 2 courses covered per semester. Students will be responsible for textbooks and other course fees. Students are also responsible for tuition for any courses taken more than once.

Eligibility Criteria for CISD Funded dual credit:

For academic dual credit courses:

- Students may have no year-end report card grades below an 80 on prior-year coursework (excluding any dual credit courses).

For CTE/Workforce dual credit courses:

- Students may have no year-end report card grades below a 70 on prior- year coursework.

For all dual credit courses:

- Students must have passing grades (70 or above) in all previous dual credit courses.
- If a student has previously withdrawn or has failed a dual credit course, the student must have reimbursed Crandall ISD for any applicable tuition and fees.

Special Notes:

- Students who do not meet the eligibility criteria above are responsible for reimbursing Crandall ISD for any tuition and fees paid for by Crandall ISD.
- Campus principals may establish a committee to review extraordinary circumstances when necessary to consider waiving certain eligibility requirements for a student in such circumstances. The principal's recommendation to the Assistant Superintendent of Curriculum and Assessment is final. The recommendation is subject to review by the Assistant Superintendent of Curriculum and Assessment.
- if a student does not meet the "**Eligibility Criteria for CISD Funded dual credit**", they may still take dual credit coursework provided they meet prerequisites, TSI Requirements have not been successful after being placed on probationary status, and met any other requirements established by Trinity Valley Community College. Such students will be responsible for the associated tuition and fees by submitting payment to Trinity Valley Community College.

Special Education/Section 504 Accommodations*

Crandall ISD students who currently receive 504/IDEA accommodations for their high school courses should schedule a visit with the college campus Coordinator of Disability Services at TVCC. High school accommodations may not be recognized in a college course.

As Applies to Dual Credit Students: The following guidelines are intended to apply to eligible special education and Section 504 students who enroll in Honors or AP courses. While Honors/AP courses are open to any student wishing to enroll, including special education and Section 504 students; counselors, parents/guardians, ARD Committees and Section 504 Committees should be aware that these are high-level academic classes. To be eligible for accommodations in a Honors/AP class, the student must be eligible for the same accommodations in a non- Honors/AP classroom. The following guidelines shall be applicable to all special education and Section 504 students who enroll in Honors/AP courses:

1. Special Education or Section 504 students must have equal opportunity to participate in Honors or AP courses.
2. 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. The student should be expected to be successful in a Honors or AP course with the allowable accommodations.
3. 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.

DUAL CREDIT ENROLLMENT STEPS AT CRANDALL HIGH SCHOOL & TRINITY VALLEY COMMUNITY COLLEGE

1. Discuss taking dual credit college courses with your high school counselor and your dual credit counselor.
2. Check the TVCC Admission Requirements to see if you qualify.
3. New TVCC Students:
 - a. Complete the TVCC Application for Admission at www.applytexas.org.
 - b. You should receive a TVCC confirmation code within 48 hours.
4. Take the TSI Assessment if you're not waived or exempt due to one of the sets of scores listed in the "TVCC Admission Requirements".
 - a. Note: Passing scores are not required for many workforce courses. The TSI must be taken but not result in passing scores for entry into workforce courses.
5. Register with the dual credit counselor at CHS by returning the TVCC registration form given to you by the dual credit counselor by the registration deadline for each semester.
6. View the dual credit Orientation Information through TVCC (<https://www.tvcc.edu/Dual-Credit/category.aspx?z=1268>)
7. View the dual credit Student Manual through TVCC (<https://www.tvcc.edu/Dual-Credit/files/2021-2022/2021-2022%20TVCC%20Student%20Handbook%20WEBSITE.pdf>)
8. Buy your books (if necessary) and pay tuition (through online TVCC account) by the payment deadline, then start classes!

For questions contact:

Kathy Cox, Crandall High School (972)427-6150 ext. 5313 or email kcox@crandall-isd.net.

LANGUAGE ARTS COURSES

COURSE SEQUENCES:

The graduation requirements for four years of English can be met through two different sequences of English.

Regular Sequence

English I, II, III and IV are the English courses recommended for the on-grade level or below grade level student and meet the requirements for the Foundation, Foundation with Endorsement, and Distinguished level of Achievement Graduation Plans.

Advanced Sequence

HONORS English I, II, AP and/or Dual Credit English III and IV are recommended for the student who is performing above grade level.

Recommended criteria for honors/AP/ Dual Credit include:

- A grade of 90+ in a previous English Course.
- Advanced performance on the Reading portion of the STAAR test.
- Parent approval.
- **Dual credit students must pass the Reading and Writing portions of the TSIA or qualify through other testing standards found on page 6 (required).**

ENGLISH I

Credit: 1

Prerequisites: 8th grade English

Grade: 9

Literature and grammar are taught all year. Literature will be the study of literary forms with an emphasis on the literary techniques used by writers of short stories, dramas, and other genres, as well as the concepts and terminology needed for knowledgeable discussion of literature. Students will also examine how a number of writers treat a given theme in different ways.

Grammar and composition include practice in informative, literary, and persuasive writing, development of compositions from topic and sentence outlines, and organization of compositions of more than one paragraph. This course will also include the study of the grammatical structure of sentences, good usage, and library skills. Preparation for the STAAR ENGLISH I EOC (END OF COURSE) EXAM will be an integral part of English I.

Course ID: 0110 / 03220100

ENGLISH I HONORS**Credit: 1****Prerequisites:** 8th grade English**Grade: 9**

English I HONORS is a cumulative and sequential program that emphasizes grammar, mechanics, usage, and composition skill at a more advanced level. It also emphasizes the development of critical thinking skills. It exceeds the traditional course by including advanced topics related to research skill, oral language development, literature concepts and skills, literary appreciation, and a variety of types of compositions. A study of additional major literary works is required in this course. The primary purpose and goal of this course is to help students be prepared to take the English Advanced Placement exam during their junior and/or senior year. Preparation for the STAAR ENGLISH 1 EOC (END OF COURSE) EXAM will be an integral part of English I HONORS.

Both the student and parent(s) are requested to attend the Honors Orientation presentation during the semester preceding the student's enrollment in English I HONORS.

Summer assignment may be required.

Course ID: 0111 / 03220100

ENGLISH II**Credit: 1****Prerequisites:** English I**Grade: 10**

Grammar and literature will be taught all year. The grammar and composition will include grammatical structures of sentences, the writing process, and composition development. The student will study the form and function of the parts of speech, appropriate English usage, and library skills. The course will include study of paragraph development with a higher degree of complexity than English I. The student will continue to develop compositions including informative, literary, and persuasive writing. Literature will be the continued study of literary techniques and terminology while developing increasingly abstract concepts. Preparation for the STAAR ENGLISH II EOC (END OF COURSE) EXAM will be an integral part of English II.

Course ID: 0120 / 03220200

ENGLISH II HONORS**Credit: 1****Prerequisites:** English I**Grade: 10**

English II HONORS integrates grammar, literature, and composition. The course is designed for the student showing an advanced understanding of language concepts and skills and wishing to make an in-depth study of writing and literature. The content exceeds the traditional course by including advanced topics related to research skills, oral language development, literary elements, literary appreciation, and a variety of compositions. A study of additional major literary works is required. The primary purpose and goal of this course is to help students be prepared to take the English Advanced Placement Exam during their junior and/or senior year. Preparation for the STAAR ENGLISH II EOC (END OF COURSE) EXAM will be an integral part of English II HONORS.

Summer assignment may be required.

Course ID: 0121 / 03220200

ENGLISH III**Credit:** 1**Prerequisites:** English II**Grade:** 11

Literature and grammar are both taught all year. American Literature will be the study of United States Literature from the early Colonial settlements to the present. Literary genres will include poetry, short stories, drama, the novel, and non-fiction. Grammar and composition will focus on an analysis of discourse, the editing and revision process, and development of mature grammatical and stylistic features. The students will practice informative, persuasive, literary, and creative writing with emphasis on informative and persuasive. The course work will include at least one fully documented library research paper.

Course ID: 0130 / 03220300

ENGLISH III AP**Credit:** 1**Prerequisites:** English II (English II Honors recommended)**Grade:** 11

English III AP is essentially a college preparatory course and is designed to prepare junior students for success at the college level. This course integrates reading and language skills, composition, literature, and vocabulary development. The course includes representative writers, social thought, and the genres of the major periods of American and World literature. The student is given the opportunity to develop knowledge of syntax, semantics, and rhetoric and to use this knowledge in the writing of various types of literary and informative discourse. The course work includes at least one fully documented library research paper in which literary criticism is incorporated into an extended literary analysis. A study of additional major literary works is required in this course.

Both the student and parent(s) are requested to attend the AP Orientation presentation during the semester preceding the student's enrollment in English III AP.

Summer assignment may be required.

Course ID: 0130 / 03220300

**DUAL CREDIT ENGLISH III
ENGLISH 1301 ENGLISH COMPOSITION RHETORIC****Credit:** .5 High School / 3 college hours**Grade:** 11-12

Prerequisites: English II (English II Honors recommended) & a passing score on the ELAR portion of the TSIA or qualify for an equivalent substitution. (See page 6)

English 1301, the first half of freshman college English, aims to help the student produce effective writing, which observes the conventions of Edited American English – i.e., writing which is acceptable in the academic and professional world. The student will be encouraged to find and improve his or her own writing style while being guided through the composition process.

TVCC Dual Credit fee and book cost possible.

Course ID: 0132 / 03220300

**DUAL CREDIT ENGLISH III
ENGLISH 1302 ENGLISH COMPOSITION AND LITERATURE**

Credit: .5 High School / 3 college hours
Grade: 11-12

Prerequisites: English 1301 (English II Honors recommended) & a passing score on the ELAR portion of the TSIA or qualify for an equivalent substitution. (See page 6)

English 1302 is a continuation of English 1301 with emphasis on the study and critical evaluation of modern literature, primarily from American writers of fiction, poetry, and drama. Extensive writing assignments are required.

TVCC Dual Credit fee and book cost possible.

Course ID: 0132 / 03220300

COLLEGE PREPARATORY ENGLISH

Credit: 1

Prerequisites: English III

Grade: 12

This course is designed to increase the college readiness of current high school students in English Language Arts. This course covers the ten Student Learning Objectives (SLO's) as defined by the state of Texas for indicating college readiness in English (Integrated Reading and Writing). In addition, this course aligns with the Texas College and Career Readiness Standards (CCRS) in the areas of writing, reading, and research. This course is also in compliance with multiple Texas Essential Knowledge and Skills (TEKS) for English Language Arts and Reading, specifically English III and English IV. This course provides the foundation work in the areas of reading and writing for the student who intends to advance to college level work.

Course ID: 0143 / CP110100

ENGLISH IV

Credit: 1

Prerequisites: English III

Grade: 12

Literature and grammar are taught all year. British Literature from its origins to the present is the major area of study of English IV literature. The literature is arranged according to historical time periods. Literary genre will include poetry, short stories, drama and non-fiction. Grammar and composition will focus on the development of mature grammatical and stylistic features and the editing and revising process.

Course ID: 0140 / 03220400

ENGLISH IV AP**Credit:** 1**Prerequisites:** English III (English III AP recommended)**Grade:** 12

English IV AP is essentially a college preparatory course and is designed to prepare senior students for success at the college level. English IV AP meets the essential elements of regular English IV Academic, which includes the study of British literature. In addition, the student will engage in oral and written communication, original research, and critical evaluation of selected readings in fiction, poetry, drama, and non-fiction, poetry, drama, and non-fiction at the college level of difficulty.

Summer assignment may be required.**Course ID:** 0141 / A322020**DUAL CREDIT ENGLISH IV
ENGLISH 2322 SURVEY OF BRITISH LITERATURE I****Credit:** .5 High School / 3 college hours
Grade: 12**Prerequisites:** English 1301

English 2322 is a study of British literature from the middle Ages through the Restoration and the 18th Century with selections from but not limited to Malory, Marlowe, Chaucer, and Shakespeare. A fully documented research paper is required as part of the course work.

TVCC Dual Credit fee and book cost possible.**Course ID:** 0142 / 03220400**DUAL CREDIT ENGLISH IV
ENGLISH 2323 SURVEY OF BRITISH LITERATURE II****Credit:** .5 High School / 3 college hours
Grade: 12**Prerequisite:** English 1301

Beginning with the Romantics, this course continues the study of British masterworks through the 19th and 20th centuries to the present including but not limited to selections from Blake, Wordsworth, Byron Shelley, Keats, and Conrad. A fully documented research paper or a critical analysis of one or more of the poets from the Romantic era will be required.

TVCC Dual Credit fee and book cost possible.**Course ID:** 0142 / 03220400

JOURNALISM I**Credit:** 1**Prerequisites:** None**Grade:** 10-12

In Journalism, students are expected to write in a variety of forms and for a variety of audiences and purposes. Students will become analytical consumers of media and technology to enhance their communication skills. Published work of professional journalists, Writing, technology and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Journalism will learn journalistic traditions, research self-selected topics, write journalistic texts, and learn the principles of publishing

Course ID: 0711 / 03230100

YEARBOOK PRODUCTION I, II, III**Credit:** 1**Prerequisites:** Yearbook sponsor approval**Grade:** 10-12

This course offers practical experience in public relations, advertising, layout design, photography, writing copy, and other basic journalistic and publication practices. Students enrolled in Advanced Journalism: Yearbook I, II, III/Newspaper I, II, III/Literary Magazine communicate in a variety of forms such as print, digital, or online media for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Advanced Journalism: Yearbook I, II, III/Newspaper I, II, III/Literary Magazine, students are expected to become analytical consumers of media and technology to enhance their communication skills. In addition, students will apply journalistic ethics and standards. Published works of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications.

Course ID: 0731 / 03230110, 0732 / 03230120, 0733 / 03230130

SPEECH COURSES

PROFESSIONAL COMMUNICATIONS

Credit: .5

Prerequisites: None

Grade: 9-12

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: 0710 / 13009900

DEBATE I, II, III

Credit: 1

Prerequisites: None

Grade: 10-12

Students will learn the skills of analysis, logical and critical thinking, and research skills. Debate formats for Lincoln-Douglas and Cross-Exam Debate will be strongly emphasized. Students will be competing in tournaments and at the UIL level. Debate class is structured around a competitive environment. Students in debate I will be required to participate in one out of town Saturday speech/debate competition per semester. Debate II and III students must compete in two out of town speech tournaments a semester. Students must also participate in the fall and spring Crandall Speech and Debate Tournaments held on a Saturday.

Course ID: 0741 / 03240600, 0742 / 03240700, 0743 / 03240800

ORAL INTERPRETATION I, II, III

Credit: 1

Prerequisites: Audition

Grade: 10-12

Literature and its presentation are integral to understanding the cultural aspects of a society. Students in Oral Interpretation I, II, III will select, research, analyze, adapt, interpret, and perform literary texts as a communication art. Students focus on intellectual, emotional, sensory, and aesthetic levels of texts to attempt to capture the entirety of the author's work. Individual or group performances of literature will be presented and evaluated.

Course ID: 0761 / 03240200, 0762 / 03240300, 0763 / 03240400

MATHEMATICS COURSES

COURSE SEQUENCES:

Regular Sequence

Algebra I, Geometry, Algebra II and Pre-Calculus are the math courses recommended for the on-grade level or below grade level student that meet the requirements for the Foundation, Foundation with Endorsement, and Distinguished level of Achievement Graduation Plans.

To be able to take Calculus, a student must take Algebra I in the 8th grade or take Geometry and Algebra II during their sophomore year.

Advanced Sequence

HONORS Geometry, HONORS Algebra II, HONORS Calculus, AP Calculus, Dual Credit College Algebra and Dual Credit Pre-Calculus are recommended for the student who is performing above grade level.

Recommended criteria include:

- A grade of 90+ in a previous Math Course.
- Advanced performance on the Math portion of the STAAR test.
- Parent approval.
- **Dual credit students must pass the Math portions of the TSIA (required)**

ALGEBRA I

Credit: 1

Prerequisites: 8th Grade Math

Grade: 9

In Algebra I, students will build on the knowledge and skills for 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: 0210 / 03100500

ALGEBRA I Honors**Credit: 1****Prerequisites:** 8th Grade Math**Grade: 9**

The Algebra I Honors course will extend the concepts taught in Algebra I by taking the student to a more in-depth study of the subject. The student should have good critical thinking skills and be an independent thinker. Strong mathematics skills and well developed study habits are required.

Course ID: 0211 / 03100500

GEOMETRY**Credit: 1****Prerequisites:** Algebra 1**Grade: 9-12**

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.

Course ID: 0220 / 03100700

GEOMETRY HONORS**Credit: 1****Prerequisites:** Algebra 1**Grade: 9-12**

This course includes solid, plane and coordinate geometry. Special emphasis is placed on real-world applications and computerized learning. Our study includes inductive, deductive and creative reasoning as well as the utilization of undefined terms, postulates and theorems. Geometric concepts are enriched through proofs. Students should expect a high level of rigor, daily homework, and extensive memory work in this course.

Course ID: 0221 / 03100700

ALGEBRA II**Credit: 1****Prerequisites:** Algebra 1, Geometry**Grade: 9-12**

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.

Course ID: 0230 / 03100600

ALGEBRA II HONORS**Credit:** 1**Prerequisites:** Algebra 1, Geometry**Grade:** 9-12

Topics covered in this class include polynomial functions, rational functions, logarithms, quadratic applications, and the complex number system. Also included are sequences, series, permutations and combinations. Advanced Placement enrichment material is used throughout the course to extend learning. Students should expect a high level of rigor and daily homework in this course.

Course ID: 0231 / 03100600

MATHEMATICAL MODELS W/APPLICATIONS**Credit:** 1**Prerequisites:** Algebra 1**Grade:** 10-12

In Mathematical Models with Applications, students continue to build on the K-8 and Algebra I foundations as they expand their understanding through other mathematical experiences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines.

Course ID: 0232 / 03102400

PRE-CALCULUS**Credit:** 1**Prerequisites:** Algebra 1, Geometry, & Algebra 2**Grade:** 11-12

Precalculus is the preparation for calculus. The course approaches topics from a functional 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: 0240/03101100

PRE-CALCULUS HONORS

Credit: 1

Prerequisites: Algebra 1, Geometry, & Algebra 2

Grade: 11-12

Honors Precalculus is the preparation for AP Calculus. The course approaches topics from a functional 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: 0241/03101100

AP CALCULUS

Credit: 1

Prerequisites: Pre-Calculus

Grade: 11-12

AP Calculus begins the integrated study of analytic geometry and calculus. Topics covered include: limits, continuity differentiation and integration of algebraic and trigonometric functions, applications of differentiation and integration, differentiation and integration, logarithmic, exponential and hyperbolic functions, methods of integration, conic sections, polar coordinates and parametric curves.

In September of the academic year, the AP student decides whether to take the Advanced Placement examination in May. For a fee, the student may take the AP Calculus examination. The student takes only one exam. Grades are reported on a 5-point scale, with a 5 representing extremely well qualified. More than 1300 participating colleges usually honor a grade of 3 or above in granting college credit or advanced standing. Students should check with individual colleges for their AP credit policies.

If a student fails an AP class the first semester, he/she will be moved to a regular class of the same subject for the next semester.

Course ID: 0242 / A3100101

AP STATISTICS

Credit: 1

Prerequisites: Geometry, Algebra II

Grade: 11-12

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1. Exploring Data: Describing patterns and departures from patterns 2. Sampling and Experimentation: Planning and conducting a study 3. Anticipating Patterns: Exploring random phenomena using probability and simulation 4. Statistical Inference: Estimating population parameters and testing hypotheses. (College Board AP Statistics Course Description)

In November of the academic year, the AP student decides whether to take the Advanced Placement examination in May. For a fee, the student may take the AP Statistics examination. The student takes only one exam. Grades are reported on a 5-point scale, with a 5 representing extremely well qualified. More than 1300 participating colleges usually honor a grade of 3 or above in granting college credit or advanced standing. Students should check with individual colleges for their AP credit policies.

If a student fails an AP/DC class the first semester, he/she will be moved to a regular class of the same subject for the next semester.

Course ID: 0243 / A3100200

DUAL CREDIT COLLEGE ALGEBRA (Independent Studies in Math) MATH 1314 COLLEGE ALGEBRA

Credit: .5 High School / 3 college hours

Grade: 11-12

Prerequisites: Algebra I, Geometry, Algebra II, & a passing score on the MATH portion of the TSIA or qualify for an equivalent substitution. (See page 6)

College Algebra is an in-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions and systems of equations using matrices. Additional topics such as sequences, series, probability and conics may be included.

TVCC Dual Credit fee and book cost possible.

Course ID: 0251/03102500

**DUAL CREDIT PRE-CALCULUS
MATH 2312 PRE-CALCULUS MATH**

Credit: .5 High School / 3 college hours
Grade: 11-12

Prerequisites: Algebra I, Geometry, Algebra II, DC COLLEGE ALGEBRA: MATH 1314

Pre-Calculus is an in-depth combined study of algebra, trigonometry and other topics for calculus readiness. Begins with topics from plane trigonometry including circular functions, solutions of right triangles, graphs, identities, solving trigonometric equations and the use of scientific calculators. Either a programmable or a non-programmable calculator is required. The course will include topics from analytical geometry.

TVCC Dual Credit fee and book cost possible.

Course ID: 0255 / 03101100

COLLEGE PREPARATORY MATHEMATICS

Credit: 1

Prerequisites: Algebra II

Grade: 12

Topics in this two- semester course include real numbers, symbolic representation, graphing linear equations, basic Geometry, rational expressions and equations, and functions. Successful completion of the course and the final examination will result in student readiness for entry-level college mathematics.

Course ID: 0253 / CP111200

FINANCIAL MATHEMATICS

Credit: 1

Prerequisite: Algebra I

Grade: 11-12

Financial Mathematics is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. **Note: This course satisfies a math credit requirement for students on the Foundation High School Program.**

Course ID: 3205 / 13018000

SCIENCE COURSES

COURSE SEQUENCES:

Regular Sequence

Biology, Chemistry, AND/OR Physics, Environmental Systems, Anatomy & Physiology and Forensic Science are the Science courses recommended for the on-grade level or below grade level student and meet the requirements for the Foundation, Foundation with Endorsement, and Distinguished level of Achievement Graduation Plans.

Advanced Sequence

HONORS Biology, HONORS Chemistry, HONORS Physics, AP Biology, AP Chemistry AP Physics, and Dual Credit Anatomy and Physiology are recommended for the student who is performing above grade level.

Recommended criteria include:

- A grade of 90+ in a previous Science Course.
- Advanced performance on the Science portion of the STAAR/EOC test.
- Parent approval.
- **Dual credit students must pass the ELAR and MATH portions of the TSI (required) to qualify to take Dual Credit Anatomy & Physiology.**

BIOLOGY I

Credit: 1

Prerequisites: None

Grade: 9

Biology is a laboratory-oriented course that is designed for the study of living things. In Biology; students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Biology study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment. Preparation for the STAAR BIOLOGY I EOC (END OF COURSE) EXAM will be an integral part of BIOLOGY I.

Course ID: 0320 / 03010200

BIOLOGY I HONORS**Credit:** 1**Prerequisites:** None**Grade:** 9

HONORS In Biology, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Biology study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment. Preparation for the STAAR BIOLOGY I EOC (END OF COURSE) EXAM will be an integral part of BIOLOGY I.

Both the student and parent(s) are requested to attend the Honors Orientation presentation during the semester preceding the student's enrollment in English I HONORS.

Summer assignment may be required

Course ID: 0321 / 03010200

AP BIOLOGY**Credit:** 1**Prerequisites:** Biology or Honors Biology, Chemistry or Honors Chemistry, Physics or Honors Physics**Grade:** 11-12

In November of the academic year, the AP student decides whether to take the Advanced Placement examination in May. For a fee, the student may take the AP Statistics examination. The student takes only one exam. Grades are reported on a 5-point scale, with a 5 representing extremely well qualified. More than 1300 participating colleges usually honor a grade of 3 or above in granting college credit or advanced standing. Students should check with individual colleges for their AP credit policies.

If a student fails an AP class the first semester, he/she will be moved to a regular class of the same subject for the next semester.

Course ID: 0360 / A3010200

INTEGRATED PHYSICS & CHEMISTRY**Credit:** 1**Prerequisites:** None**Grade:** 9-12

Integrated Physics & Chemistry is a laboratory-oriented course. In Integrated Physics and Chemistry, students conduct laboratory and field investigations, use scientific practices during investigation, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter.

Course ID: 0310 / 03060201

CHEMISTRY I**Credit:** 1**Prerequisites:** Algebra I, Biology**Grade:** 10-12

Chemistry I deals with chemical properties of matter as well as the ionic and atomic structure. In Chemistry, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives.

Course ID: 0330 / 03040000

CHEMISTRY HONORS**Credit:** 1**Prerequisites:** Algebra I, Biology or Honors Biology**Grade:** 10-12

HONORS Chemistry will be a preparatory course for students who plan on a career or college sequence in which chemistry plays an important part. There will be an extensive laboratory progression with emphasis on qualitative and quantitative analysis. Lecture deals with stoichiometry, gas laws, and oxidation. Reduction and organic compounds, practical and career oriented material will also be presented.

Course ID: 0331 / 03040000

AP CHEMISTRY**Credit:** 1**Prerequisites:** Chemistry or Honors Chemistry, Algebra II or Honors Algebra II**Grade:** 11-12

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. For some students, this course enables them to undertake, in their first year, second-year work in the chemistry sequence at their institution or to register in courses in other fields where general Chemistry is a prerequisite. For other students, the AP Chemistry course fulfills the laboratory science requirement and frees time for other courses.

In November of the academic year, the AP student decides whether to take the Advanced Placement examination in May. For a fee, the student may take the AP Statistics examination. The student takes only one exam. Grades are reported on a 5-point scale, with a 5 representing extremely well qualified. More than 1300 participating colleges usually honor a grade of 3 or above in granting college credit or advanced standing. Students should check with individual colleges for their AP credit policies.

If a student fails an AP class the first semester, he/she will be moved to a regular class of the same subject for the next semester.

Course ID: 0361 / A3040000

PHYSICS**Credit:** 1**Prerequisites:** Biology I, Algebra I**Grade:** 10-12

Physics is devoted to the study of matter using scientific probes and technology. In Physics, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. Students who successfully complete Physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues, and develop critical-thinking skills.

Course ID: 0340 / 03050000

PHYSICS HONORS**Credit:** 1**Prerequisites:** Biology I, Algebra I**Grade:** 10-12

HONORS Physics is devoted to the study of the interaction of matter and energy. The study of physics includes gaining knowledge of Newtonian laws and their effect; momentum laws and their applications; knowledge of the concepts of work, power and energy; and conversions of one type of energy to another.

Course ID: 0341 / 03050000

AP PHYSICS**Credit:** 1**Prerequisite:** Algebra 1, Geometry or Honors Geometry, Honors Physics**Grade:** 11-12

AP Physics will prepare the student for the AP Physics exam. The curriculum is based on national standards set by The College Board. The course is designed for students who want a greater depth of understanding of physics concepts and who want more extensive laboratory experience. This college-level physics course will cover Newtonian mechanics, thermodynamics, waves, Sound, optics, electricity, magnetism, atomic physics, nuclear physics, and relativity. Students will gain both a deeper appreciation of the concepts of Physics and additional problem solving skills.

In November of the academic year, the AP student decides whether to take the Advanced Placement examination in May. For a fee, the student may take the AP Statistics examination. The student takes only one exam. Grades are reported on a 5-point scale, with a 5 representing extremely well qualified. More than 1300 participating colleges usually honor a grade of 3 or above in granting college credit or advanced standing. Students should check with individual colleges for their AP credit policies.

If a student fails an AP class the first semester, he/she will be moved to a regular class of the same subject for the next semester.

Course ID: 0362 / A3050003

ANATOMY & PHYSIOLOGY

Credit: 1

Prerequisites: Biology, Chemistry

Grade: 11-12

This course satisfies both a high school science and CTE graduation requirement

The Anatomy and Physiology 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 Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

Course ID: 5204 / 13020600

DUAL CREDIT ANATOMY & PHYSIOLOGY BIOLOGY 2401 ANATOMY & PHYSIOLOGY 1

Credit: .5 High School / 3 college hours

Grade: 11-12

Prerequisites: Algebra I, Geometry, Algebra II, & a passing score on the MATH and ELA portions of the TSA or qualify for an equivalent substitution. (See page 6)

TVCC Dual Credit fee and book cost possible.

In Dual Credit Anatomy and Physiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

Course ID: 5210 / 13020600

DUAL CREDIT ANATOMY & PHYSIOLOGY BIOLOGY 2402 ANATOMY & PHYSIOLOGY 2

Credit: .5 High School / 3 college hours

Grade: 11-12

Prerequisites: Biology, Chemistry & BIOL 2401

TVCC Dual Credit fee and book cost possible.

In Anatomy and Physiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

Course ID: 5210 / 13020600

FORENSIC SCIENCE

Credit: 1

Prerequisites: Biology & Chemistry

Grade: 11-12

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. Scientific methods of investigation can be experimental, descriptive, or comparative. The method chosen should be appropriate to the question being asked. **Note: This course satisfies a science credit requirement for students on the Foundation High School Program.**

Course ID: 2211 / 13029500

EARTH AND SPACE SCIENCE

Credit: 1

Prerequisites: 3 units of Science (1 concurrent), 3 units of Math (1 concurrent)

Grade: 11-12

Earth and Space Science is a course designed to build on students' prior scientific and academic knowledge and skills to develop understanding of Earth's system in space and time. An Earth systems approach including the theme of Earth in space and time; how the origin and distribution of resources that sustain life on Earth are the result of interactions among Earth's subsystems over billions of years, the theme of solid Earth; how the geosphere is a collection of complex, interacting, dynamic subsystems linking Earth's interior to its surface, and fluid Earth; how the global ocean is the thermal energy reservoir for surface processes and, through interactions with the atmosphere, influences climate.

Course ID: 0332 / 03060200

ENVIRONMENTAL SYSTEMS

Credit: 1

Prerequisites: Biology, Chemistry

Grade: 11-12

Environmental Systems is a second-year biology course, which concentrates on environmental issues. In Environmental Systems, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include biotic and abiotic factors in habitats, ecosystems and biomes, 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.

Course ID: 0350 / 03020000

ENGINEERING DESIGN AND PROBLEM SOLVING

Credit: 1

Prerequisites: Algebra I & Geometry

Grade: 10-12

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 under constraint." Various engineering disciplines address a broad spectrum of design problems using specific concepts from the sciences and mathematics to derive a solution.

Course ID: 1203 / 1303700

DUAL CREDIT ADVANCED SCIENTIFIC RESEARCH / DESIGN BIOL 1406 BIOLOGY FOR SCIENCE MAJORS 1

Credit: .5 High School / 3 college hours

Grade: 11-12

Prerequisites: Algebra I, Geometry, Algebra II, & a passing score on the MATH and ELAR portions of the TSIA or qualify for an equivalent substitution. (See page 6)

TVCC Dual Credit fee and book cost possible.

In BIOL 1406 the fundamental principles of living organisms will be studied, including physical and chemical properties of life, organization, function, evolutionary adaptation and classification. Concepts of cytology, reproduction, genetics and scientific reasoning are included. A laboratory component is included that gives practical experience to material covered in class.

Course ID: 1232/ 13037200

DUAL CREDIT ADVANCED SCIENTIFIC RESEARCH /DESIGN BIOL 1407 BIOLOGY FOR SCIENCE MAJORS 2

Credit: .5 High School / 3 college hours

Grade: 11-12

Prerequisites: Biology, Chemistry & BIOL 1406

TVCC Dual Credit fee and book cost possible.

In Biology 1407, the diversity and classification of life will be studied, including animals, plants, protists, fungi and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology and evolution of plants and animals. A laboratory component is included that gives practical experience to material covered in class.

Course ID: 1232/ 13037200

SOCIAL STUDIES COURSES

COURSE SEQUENCE:

Regular Sequence:

World Geography, World History, United States History, Financial Literacy and Government/Economics are the Social Studies courses recommended for each high school student, and meet the requirements for the Foundation, Foundation with Endorsement, and Distinguished level of Achievement Graduation Plans.

Advanced Sequence:

AP US History, AP Government, AP Psychology, and Dual Credit US History and Economics are recommended for the student who is performing above grade level.

Recommended criteria include:

- A grade of 90+ in a previous Social Studies Course.
- Advanced performance on the Social Studies portion of the STAAR/EOC test.
- Parent approval.
- **Dual credit students must pass the ELAR portion of the TSIA or qualify for an equivalent substitution. (see page 6)**

WORLD GEOGRAPHY

Credit: 1

Prerequisites: None

Grade: 9

World Geography provides the student with the opportunity to study the interaction of peoples and cultures with their physical environments in the major areas of the world. Students explore various regions of the world while studying their governments, arts, and resources. Areas studied are physical geography, Western Europe, Eastern Europe, Middle East, Sub Saharan Africa, Asia, and Latin America.

Course ID: 0410/ 03320100

WORLD GEOGRAPHY HONORS

Credit: 1

Prerequisites: None

Grade: 9 -10

Both the student and parent(s) are requested to attend the Honors Orientation presentation during the semester preceding the student's enrollment in English I HONORS.

World Geography HONORS provides the student with the opportunity to study the interaction of peoples and cultures with their physical environments in the major areas of the world. Students explore various regions of the world while studying their governments, arts, and resources. Areas studied are physical geography, Western Europe, Eastern Europe, Middle East, Sub Saharan Africa, Asia, and Latin America.

Course ID: 0411 / 03320100

AP HUMAN GEOGRAPHY

Credit: 1

Prerequisites: None

Grade: 9

AP Human Geography is an introductory college-level human geography course. Students cultivate their understanding of human geography through data and geographic analyses as they explore topics like patterns and spatial organization, human impacts and interactions with their environment, and spatial processes and societal changes. **Upon completion of this course, students are expected to take the AP exam.**

In November of the academic year, the AP student decides whether to take the Advanced Placement examination in May. For a fee, the student may take the AP Statistics examination. The student takes only one exam. Grades are reported on a 5-point scale, with a 5 representing extremely well qualified. More than 1300 participating colleges usually honor a grade of 3 or above in granting college credit or advanced standing. Students should check with individual colleges for their AP credit policies.

If a student fails an AP class the first semester, he/she will be moved to a regular class of the same subject for the next semester.

Course ID: 0412 / A3360100

WORLD HISTORY

Credit: 1

Prerequisites: None

Grade: 10-12

World History includes the study of the history and development of a variety of world cultures, past and present. Study will provide a basis for students to compare and analyze various ways of life and cultural patterns.

Course ID: 0420 / 03340400

AP WORLD HISTORY

Credit: 1

Prerequisites: World Geography or World Geography Honors, AP Human Geography

Grade: 10-12

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. **Upon completion of this course, students are expected to take the AP exam.**

In November of the academic year, the AP student decides whether to take the Advanced Placement examination in May. For a fee, the student may take the AP Statistics examination. The student takes only one exam. Grades are reported on a 5-point scale, with a 5 representing extremely well qualified. More than 1300 participating colleges usually honor a grade of 3 or above in granting college credit or advanced standing. Students should check with individual colleges for their AP credit policies.

If a student fails an AP class the first semester, he/she will be moved to a regular class of the same subject for the next semester.

Course ID: 0422 / A3370100

UNITED STATES HISTORY

Credit: 1

Prerequisites: None

Grade: 10-12

United States History covers significant people, issues, and events after the Reconstruction, emphasizing present-day issues that have their roots in the past. Besides readings from the text, lecture and group discussion will be the primary tools of communication. Preparation for the STAAR US HISTORY EOC (END OF COURSE) EXAM will be an integral part of US HISTORY.

Course ID: 0430 / 03340100

AP UNITED STATES HISTORY

Credit: 1

Prerequisites: None

Grade: 11-12

Course Objectives: Advanced Placement U.S. History is a full-year college course covering the period from the first European explorations of the Americas to the present. It provides students with a learning experience equivalent to that obtained in most two-semester college introductory U.S. History courses. It is designed to help students acquire the analytical skills and factual knowledge needed to deal critically with a wide range of historical problems. Students will also learn to assess historical materials, their relevance to a given issue, their reliability and their importance, and to weigh the evidence and interpretations presented in historical scholarship. The course will help the student to develop the skills necessary to arrive at conclusions based on informed judgment and to present reasons and evidence clearly and persuasively in essay form. Preparation for the STAAR US HISTORY EOC (END OF COURSE) EXAM will be an integral part of US HISTORY.

In November of the academic year, the AP student decides whether to take the Advanced Placement examination in May. For a fee, the student may take the AP Statistics examination. The student takes only one exam. Grades are reported on a 5-point scale, with a 5 representing extremely well qualified. More than 1300 participating colleges usually honor a grade of 3 or above in granting college credit or advanced standing. Students should check with individual colleges for their AP credit policies.

If a student fails an AP class the first semester, he/she will be moved to a regular class of the same subject for the next semester.

Course ID: 0430 / 03340100

**DUAL CREDIT UNITED STATES HISTORY
HISTORY 1301 UNITED STATES HISTORY TO 1877**

Credit: .5 High School / 3 college hours
Grade: 11-12

Prerequisite: Students must pass the ELA portions of the TSIA or qualify for an equivalent substitution. (See page 6)

TVCC Dual Credit fee and book cost possible

A survey is made of the American colonies, their struggle for independence, the development of a political structure and the formative years, the westward movement, the growth of sectionalism, and the Civil War. The social, economic, and political trends are shown

Course ID: 0432 / 03340100

**DUAL CREDIT UNITED STATES HISTORY
HISTORY 1302 UNITED STATES HISTORY FROM 1877**

Credit: .5 High School / 3 college hours
Grade: 11-12

Prerequisite: History 1301 & students must pass the ELA portions of the TSIA or qualify for an equivalent substitution. (See page 6)

TVCC Dual Credit fee and book cost required

This is a continuation of the history course surveying American growth, world conflicts, and the emergence of America as a world power. The social, economic, and political trends are shown.

Course ID: 0432 / 03340100

PSYCHOLOGY

Credit: 1

Prerequisites: None

Grade: 11-12

In Psychology, an elective course, students study the science of behavior and mental processes. Students examine the full scope of the science of psychology such as the historical framework, methodologies, human development, motivation, emotion, sensation, perception, personality development, cognition, learning, intelligence, biological foundations, mental health, and social psychology.

Course ID: 0453 / 03350100

PSYCHOLOGY HONORS

Credit: .5

Recommended Prerequisites: 90 or above in previous social studies course.

Grade: 11-12

Students will be introduced to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and the phenomena associated with each of the major subfields within psychology. They also learn about the methods psychologists use in their science practice. Enrollment in this class will prepare students to be successful in the AP Psychology class the following semester.

Course ID: 0455 / 03350100

AP PSYCHOLOGY

Credit: .5

Recommendation: Honors Psychology

Grade: 11-12

Students will be introduced to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and the phenomena associated with each of the major subfields within psychology. They also learn about the methods psychologists use in their science practice. Enrollment in this class will prepare students to be successful on the AP Examination for psychology. **Upon completion of this course, students are expected to take the AP exam.**

In November of the academic year, the AP student decides whether to take the Advanced Placement examination in May. For a fee, the student may take the AP Statistics examination. The student takes only one exam. Grades are reported on a 5-point scale, with a 5 representing extremely well qualified. More than 1300 participating colleges usually honor a grade of 3 or above in granting college credit or advanced standing. Students should check with individual colleges for their AP credit policies.

If a student fails an AP class the first semester, he/she will be moved to a regular class of the same subject for the next semester.

Course ID: 0456 / A3350100

SOCIOLOGY

Credit: 1

Prerequisites: None

Grade: 10-12

Sociology, an elective course, is an introductory study in social behavior and organization of human society. This course will describe the development of the field as a social science by identifying methods and strategies of research leading to an understanding of how the individual relates to society and the ever-changing world. Students will also learn the importance and role of culture, social structure, socialization, and social change in today's society.

Course ID: 0454 / 03370100

UNITED STATES GOVERNMENT

Credit: .5

Prerequisites: World Geography or World History, US History

Grade: 12

U. S. Government (Civics) is the study of such topics as: Principles and concepts of American democracy; U. S. and state constitution; civil liberties and legal rights; economic systems; branches of the national government; and an introduction to state and local government. Emphasis is placed on political participation, decision-making, and the rights and responsibilities of American citizenship.

Course ID: 0440 / 03330100

AP GOVERNMENT**Credit: .5****Prerequisites:** World Geography or World History, US History**Grade: 12**

U. S. Government (Civics) is the study of such topics as: Principles and concepts of American democracy; U. S. and state constitution; civil liberties and legal rights; economic systems; branches of the national government; and an introduction to state and local government. Emphasis is placed on political participation, decision-making, and the rights and responsibilities of American citizenship.

Upon completion of this course, students are expected to take the AP exam.

In November of the academic year, the AP student decides whether to take the Advanced Placement examination in May. For a fee, the student may take the AP Statistics examination. The student takes only one exam. Grades are reported on a 5-point scale, with a 5 representing extremely well qualified. More than 1300 participating colleges usually honor a grade of 3 or above in granting college credit or advanced standing. Students should check with individual colleges for their AP credit policies.

If a student fails an AP class the first semester, he/she will be moved to a regular class of the same subject for the next semester.

Course ID: 0441 / A3330100**ECONOMICS****Credit: .5****Prerequisites:** World Geography or World History, US History**Grade: 12**

Emphasis is placed on the essentials and benefits of the American economic system. Students are expected to gain the knowledge, skills, and attitudes, which will enable them to contribute to and maintain the system.

Course ID: 0450 / 03310300**DUAL CREDIT ECONOMICS
ECONOMICS 2301 PRINCIPLES OF MACROECONOMICS****Credit: .5****Grade: 12**

Prerequisite: World Geography or World History, US History and Students must pass the ELA portions of the TSIA or qualify for an equivalent substitution. (See page 6)

TVCC Dual Credit fee and book cost required

This course will include a study of economic problems such as inflation, unemployment, and economic stabilization by monetary and fiscal policy. Macroeconomic concepts of total spending, total output and income, money and banking, and the Keynesian and monetary approaches to national income analysis are discussed.

Course ID: 0451 / 03310300

LANGUAGES OTHER THAN ENGLISH LANGUAGE COURSES

COURSE SEQUENCE:

Regular Sequence:

Spanish I and Spanish II are the courses recommended for LOTE for each high school student, and meet the requirements for the Foundation, Foundation with Endorsement, and Distinguished level of Achievement Graduation Plans.

Advanced Sequence:

Spanish I Honors, Spanish II Honors, Spanish III Honors, and AP Spanish IV are recommended for the student who is performing above grade level.

Recommended criteria include:

- A grade of 90+ in a previous Spanish Course.
- Advanced performance on the Social Studies portion of the STAAR/EOC test.
- Parent approval.
- Teacher recommendation.

SPANISH I

Credit: 1

Prerequisites: None

Grade: 9-11

Spanish I is designed to develop the student's ability to read, write, and speak Spanish. Conversational expressions and basic grammar will be stressed. The course will also include a basic study of composition, reading and Hispanic cultures. This course is a prerequisite to Spanish II.

Course ID: 0510 / 03440100

SPANISH 1 HONORS

Credit: 1

Prerequisites: None

Grade: 9-11

This course covers everything in Spanish I, and conforms to AP standards. Students will use learning strategies to complete tasks that are aligned with AP goals and mirror tasks asked on AP exams.

Course ID: 0511 / 03440100

SPANISH II

Credit: 1

Prerequisites: Spanish I

Grade: 10-12

Spanish II is a continuation of the language skills introduced in Spanish I. Basic grammar and additional vocabulary are added to the fundamentals of speaking, reading, and writing a second language. Spanish II is required for all transcripts excluding Minimum.

Course ID: 0520 / 03440200

SPANISH II HONORS**Credit:** 1**Prerequisites:** Spanish I**Grade:** 9-12

This course covers everything in Spanish II, and conforms to AP standards. Students will use learning strategies to complete tasks that are aligned with AP goals and mirror tasks asked on AP exams.

Course ID: 0521 / 03440200

SPANISH III HONORS**Credit:** 1**Prerequisites:** Spanish II**Grade:** 10-12

Students in Spanish III should perform on a Novice High to Intermediate Low proficiency level for reading and writing. In listening and speaking, students of logographic languages should perform on an Intermediate Low to Intermediate Mid proficiency level. Students at the Novice High proficiency level express meaning in simple, predictable contexts through the use of learned and recombined phrases and short sentences. Novice High students are best able to understand sentence-length information within highly contextualized situations and sources. Novice High students may generally be understood by sympathetic listeners and readers accustomed to dealing with language learners. Novice High students are consistently successful when performing Novice-level tasks. Novice High students show evidence of Intermediate Low proficiency but lack consistency.

Course ID: 0531 / 03440300

**SPANISH IV
SPANISH LANGUAGE & COMPOSITION AP****Credit:** 1**Prerequisites:** Spanish III Honors**Grade:** 11-12

Fluency in speaking and in understanding Spanish at an advanced level is developed through group discussion and analysis of advanced placement testing materials. Both reading and writing skills are strengthened through intense grammatical review. This course provides a full academic year of advanced study. Opportunities for media interaction are included. Upon completion of this course, students are expected to take the AP exam.

In November of the academic year, the AP student decides whether to take the Advanced Placement examination in May. For a fee, the student may take the AP Statistics examination. The student takes only one exam. Grades are reported on a 5-point scale, with a 5 representing extremely well qualified. More than 1300 participating colleges usually honor a grade of 3 or above in granting college credit or advanced standing. Students should check with individual colleges for their AP credit policies.

If a student fails an AP class the first semester, he/she will be moved to a regular class of the same subject for the next semester. AP test deposit monies will not be refunded.

Course ID: 0540 / A34401

SPANISH FOR SPANISH SPEAKERS I

Credit: 2

Prerequisites: Native Spanish Speaker

Grade: 9-10

Spanish for Spanish Speakers I is designed to provide learning opportunities for Native Spanish Speakers who can speak, read, and write in the language. The main objective of this course is to offer an intensive curriculum in order to prepare the student for his/her academic growth. This course covers the curriculum of two classes, Spanish I Honors and Spanish II Honors, with the goal of preparing the student for the next level, Spanish III Honors / IV AP.

Course ID: 0550 / 03440110

SPANISH FOR SPANISH SPEAKERS II

Credit: 2

Prerequisites: Spanish for Spanish Speakers I

Grade: 10-12

Spanish for Spanish Speakers II is designed to provide learning opportunities for Native Spanish Speakers who can speak, read, and write in the language. The objective of this course is to offer a more advanced curriculum entirely in Spanish in order to prepare the student for his/her academic growth. This course covers the curriculum of two courses, Spanish 3 Honors and Spanish 4 AP, with the goal of preparing the student for the Spanish Language and Culture AP Exam. ***This is a college-level course that may require extra hours of study per week. Students are expected to take the AP Spanish Language and Culture exam in May.***

Course ID: 0551 / 03440220

AMERICAN SIGN LANGUAGE (ASL) I

Credit: 1

Prerequisites: None

Grade: 9-10

Designed for students with no knowledge of Deaf American culture or its language, American Sign Language (ASL). Training lays a foundation of expressive and receptive skills of ASL used by the Deaf Community through basic linguistic structures and analysis of signs. Content includes basic statements and vocabulary, finger spelling, questions, classifiers, spatial relationships, time and numbers. In addition, cultural knowledge and an increased understanding of the Deaf Community is introduced. Communication is the overarching goal of all LOTE courses.

Course ID: 0561 / 03980100

AMERICAN SIGN LANGUAGE (ASL) II

Credit: 1

Prerequisites: ASL I

Grade: 10-11

Continues developing expressive and receptive competence to fulfill various social functions emphasizing further development of finger spelling, vocabulary building, and grammatical structures. Encourages more extensive use of non-manual signals, classifiers, body postures, and signing space. Deaf culture is further explored and issues of the deaf community are debated. Instruction primarily in ASL. Communication is the overarching goal of all LOTE courses.

Course ID: 0562 / 03980200

FINE ARTS COURSES

ART 1

Credit: 1

Prerequisites: None

Grade: 9-12

Students will learn to appreciate art and practice artistic skills throughout the year. Students will be exposed to terminology that will enhance their ability to discuss artistic form. Many different art projects will be completed during the course. Some of the areas of skill will include drawing, painting, design and sculpture. Students will gain valuable insight and experience in the world of art.

Course ID: 6121 / 03500100

CERAMICS I

Credit: 1

Prerequisites: Art I

Grade: 10-12

Ceramics 1 is for the student who wants to develop their skills in three-dimensional clay media. This course provides students the opportunity to experiment with hand building (pinch, coils, and slabs) and wheel throwing, to learn about glazes and other surface finishes, and help in the firing process. Introduction to traditional and historical ceramic arts will be incorporated into their experience in ceramics. Students will be required to build a portfolio of their ceramic pieces.

Course ID: 6120 / 03500900

CERAMICS II

Credit: 1

Prerequisites: Art 1, Ceramics I

Grade: 10-12

Ceramics 2 is designed for students to advance their skills in hand building and throwing on the wheel with clay. The course provides the student an opportunity to further expand and build their knowledge in ceramics. The course will focus on an integration of the student's ideas, design principles, and technical process relating to ceramics.

Course ID: 6119 / 03501800

DRAWING I

Credit: 1

Prerequisites: Art I

Grade: 10-12

Drawing 1 is designed for students who want to develop rendering and expressive skills in two-dimensional drawing based media and processes. Students explore materials, composition and techniques. Students gain technical skill and insight to critically evaluate various drawings or drawing based art forms. Students will be required to build a portfolio of their drawings.

Course ID: 6123 / 03500500

PAINTING I**Credit:** 1**Prerequisites:** Art I**Grade:** 10-12

Painting 1 is designed for the students who want to develop their skills in painting. This course provides students with the opportunities to experiment with different paint media such as watercolor, acrylic, and oils. Students gain technical skill and insight to critically evaluate various paintings. Students will be required to build a portfolio of their paintings.

Course ID: 6122 / 03500600

SCULPTURE I**Credit:** 1**Prerequisites:** Art I**Grade:** 10-12

Sculpture 1 is designed for students to develop their skills in three-dimensional based media and processes. This course provides students with opportunities to experiment with three-dimensional media such as clay, Paper-Mache, plaster, cardboard, wire, wood, etc. Sculpture students will study and make connections with both historical and contemporary artists. Students will be required to build a portfolio of their sculpture pieces.

Course ID: 6124 / 03501000

ART IV PORTFOLIO**Credit:** 1**Prerequisites:** 3 Visual Art Courses**Grade:** 12

This class is designed to allow students to produce quality artworks communicating their impressions, feelings and ideas visually through the exploration of a variety of 2-D and 3-D media, techniques and subjects. Art production is student driven with the guidance of a teacher mentor. Students develop aesthetic judgment through description and analysis, and leave the class with understanding of and insight regarding their artworks and the works of others. Students will be required to build a portfolio and website of their art work influenced by the visual art field they wish to enter upon graduation.

Course ID: 6126 / 03500400

AP 2D ART AND DESIGN

Credit: 1

Prerequisites: Art 1, Drawing I or Painting I

Grade: 11-12

This course is designed to address a very broad interpretation of two-dimensional (2-D) design issues. Students are asked to demonstrate a proficiency in 2-D design which includes, but is not limited to, graphic design, typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking. The student's portfolio will include a variety of approaches in abstraction, representation and expression. **AP 2D Art & Design Portfolio is a college-level course, and students should expect to spend several hours a week outside of class working on art assignments.** An electronic portfolio will be submitted to the College Board in May and those students with passing portfolios may earn college credit.

If a student fails an AP/DC class the first semester, he/she will be moved to a regular class of the same subject for the next semester. AP test deposit monies will not be refunded.

Course ID: 6132 / A3500400

AP 3D ART AND DESIGN

Credit: 1

Prerequisites: Art, Drawing I or Painting I

Grade: 11-12

AP 3-D Design is designed to address a very broad interpretation of sculptural issues in depth and space. These may include mass, volume, form, plane, light, and texture. Such elements and concepts may be articulated through additive, subtractive and/or fabrication processes. A variety of approaches to representation, abstraction and expression may be part of a student's portfolio. These might include traditional sculpture, architectural models, apparel, ceramics, three-dimensional fiber arts, and jewelry among others. **AP 3-D Design Portfolio is a college-level course, and students should expect to spend several hours a week outside of class working on art assignments.** An electronic portfolio will be submitted to the College Board in May and those students with passing portfolios may earn college credit.

If a student fails an AP/DC class the first semester, he/she will be moved to a regular class of the same subject for the next semester. AP test deposit monies will not be refunded.

Course ID: 6133 / A3500500

AP DRAWING

Credit: 1

Prerequisites: Art 1, Drawing I

Grade: 11-12

AP Drawing Portfolio is designed to address a very broad interpretation of drawing issues and media. Light and shade, line quality, rendering of form, composition, surface manipulation, and illusion of depth are some of the drawing issues that will be addressed. Works may be in painting, printmaking and mixed, as well as abstract, observational and inventive methods. **AP Drawing Portfolio is a college-level course, and students should expect to spend several hours a week outside of class working on art assignments.** An electronic portfolio will be submitted to the College Board in May and those students with passing portfolios may earn college credit.

If a student fails an AP/DC class the first semester, he/she will be moved to a regular class of the same subject for the next semester. AP test deposit monies will not be refunded.

Course ID: 6131 / A3500300

AP ART HISTORY

Credit: 1

Prerequisites: None

Grade: 11-12

This course satisfies both a high school history and fine arts graduation requirement

The AP Art History course welcomes students into the global art world to engage with its forms and content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the students develop in-depth, holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, developing understanding of individual works and interconnections across history.

In November of the academic year, the AP student decides whether to take the Advanced Placement examination in May. For a fee, the student may take the AP Statistics examination. The student takes only one exam. Grades are reported on a 5-point scale, with a 5 representing extremely well qualified. More than 1300 participating colleges usually honor a grade of 3 or above in granting college credit or advanced standing. *Students should check with individual colleges for their AP credit policies.*

If a student fails an AP class the first semester, he/she will be moved to a regular class of the same subject for the next semester. AP test deposit monies will not be refunded.

Course ID: 6134 / A3500100

Dance I**Credit:** 1**Prerequisites:** None**Grade:** 9-12

This course will focus on dance within a variety of dance genres at an introductory level. Students will acquire vocabulary and skills in ballet, jazz, modern, tap, hip hop and other genres. Dance history, choreography and performance skills will be introduced. The class is participatory in nature, utilizing movement as a form of creative expression. Specific attire will be required. Attendance at after school rehearsals and performances may be required. Successful completion of both semesters of this course will satisfy the Fine Arts credit or PE credit required for graduation.

Course ID: 6450/ 03830100

DRILL TEAM 1, 2, 3, 4**Credit:** 1**Prerequisites:** Must pass a series of qualifying auditions**Grade:** 9-12

The girl's drill team is a precision dance and drill team. Activities include performing at extra-curricular activities. The estimated student expenses are made available at tryouts. The first year of the drill team can fulfill the PE requirement.

Course ID: 6411 / 03830100, 6421 / 03830200, 6431 / 03830300, 6441 / 03838400

CONCERT BAND 9, 10, 11, 12**Credit:** .5-1**Prerequisites:** Audition for Placement**Grade:** 9-12

Concert band plays and performs as a home game football band in the fall and a standalone performance ensemble in the spring. This group works on music from the prescribed music list of the University Interscholastic League. Emphasis is placed on sight-reading and characteristic sound. The group participates in UIL and invitational concert contests as well as taking a band trip each spring. Students are encouraged to participate in UIL Solo and Ensemble at both the Region and State levels.

Course ID: 6317 / 03150500, 6318 / 003150600, 6319 / 03150700, 6320 / 03150800

JV JAZZ BAND 9, 10, 11, 12**Credit:** .5-1**Prerequisites:** Audition for Placement**Grade:** 9-12

JV Jazz band works as a developing group introducing the concepts of jazz style and improvisation. The group participates in UIL and invitational concert contests as well as taking a band trip each spring. This band also competes in UIL Region as a Non-Varsity Jazz Ensemble.

Course ID: 6321 / 03151300, 6322 / 03151400, 6323/ 03151500, 6324 / 03151600

WIND ENSEMBLE BAND 9, 10, 11, 12**Credit:** .5-1**Prerequisites:** Audition for Placement. Summer Band Camps. Spring Band Clinic**Grade:** 9-12

Wind Ensemble is half of our Varsity Marching Band and is the featured performance ensemble for instrumental music in the spring. This group works on music from the prescribed music list of the University Interscholastic League. Emphasis is placed on sight-reading and characteristic sound. The group participates in UIL and invitational concert contests as well as taking a band trip each spring. Students are encouraged to participate in UIL Solo and Ensemble at both the Region and State levels.

Course ID: 6351 / 03830100, 6352 / 03830200, 6353 / 03830300, 6354 / 03838400

SYMPHONIC BAND 9, 10, 11, 12**Credit:** .5-1**Prerequisites:** Audition for Placement. Summer Band Camps. Spring Band Clinic**Grade:** 9-12

Symphonic is half of our Varsity Marching Band and is a non-varsity performance ensemble for instrumental music in the spring. This group works on music from the prescribed music list of the University Interscholastic League. Emphasis is placed on sight-reading and characteristic sound. The group participates in UIL and invitational concert contests as well as taking a band trip each spring. Students are encouraged to participate in UIL Solo and Ensemble at both the Region and State levels.

Course ID: 6309 / 03830100, 6310 / 03830200, 6311 / 03830300, 6312 / 03838400

JAZZ BAND 9, 10, 11, 12**Credit:** 1**Prerequisites:** Audition for Placement**Grade:** 9-12

Jazz Band places an emphasis on Jazz as a truly original American art form. The band consists of up to 18 instrumentalists (saxophones, trombones, trumpets, and rhythm section) but does allow for some substitutions and possible vocal opportunities. They compete as a varsity jazz ensemble in UIL competition and play at various festivals throughout the spring.

Course ID: 6321 / 03151300, 6322 / 03151400, 6323 / 03151500, 6324 / 03151600

STUDIO ENSEMBLE I, II, III, & IV**Credit:** 1**Prerequisites:** Audition for Placement**Grade:** 9-12

The Studio Ensemble is made up of keyboard, rhythm and lead guitars, bass, and drums combined with up to 8 vocalists and a tech crew. Emphasis is placed on pop music history and studio lab experiences. This group performs at various events throughout the year including tailgate parties for football and community benefit concerts.

Course ID: 6341 / 03151700, 6342 / 03151800, 6343 / 03151900, 6344 / 03152000

CHOIR I, II, III, IV**Credit: 1****Prerequisites:** None**Grade:** 9-12

Four basic strands--foundations: music literacy; creative expression; historical and cultural relevance; and critical evaluation and response--provide broad, unifying structures for organizing the knowledge and skills students are expected to acquire. The foundation of music literacy is fostered through reading, writing, reproducing, and creating music, thus developing a student's intellect. Through creative expression, students apply their music literacy and the critical-thinking skills of music to sing, play, read, write, and/or move. By experiencing musical periods and styles, students will understand the relevance of music to history, culture, and the world, including the relationship of music to other academic disciplines and the vocational possibilities offered. Through critical listening, students analyze, evaluate, and respond to music, developing criteria for making critical judgments and informed choices.

Course ID: 6335 / 03150900, 6336 / 03151000, 6337 / 03151100, 6338 / 03151200

THEATRE ARTS I**Credit: 1****Prerequisites:** None**Grade:** 9-12

This course is open to all interested students and is an introductory course to the world of theatre. Please note, this is a participation course and students will be expected to fully take part in all class activities every day. Speaking, acting, rehearsing, memorization, and performing in front of others are all key components of this course. Students in this course must use their imagination and creativity daily. Students will also improvise, practice physical and vocal warm up drills, explore dramatic structure, technical theatre, and develop an appreciation of theatre. Students will be provided with opportunities to participate in school productions.

Course ID: 6211 / 03250100

THEATRE ARTS II, III, & IV**Credit: 1****Prerequisites:** Application & Audition**Grade:** 9-12

Students will learn advanced characterization skills, explore contemporary and classical theatre, auditioning, and realize career opportunities. They also explore performance criticism. Activities will include various theatrical venues including mime, children's theatre, puppetry, and theatre productions.

Course ID: 6212 / 03250200, 6213 / 03250300, 6214 / 03250400

TECHNICAL THEATRE I, II, III, IV**Credit: 1****Prerequisites:** None**Grade:** 9-12

In this course students learn about the different areas of technical theatre including set design, lighting design, costuming, sound design, makeup design, and stage management. Students will learn technical terminology, do work related to the theatre's productions, and will do design projects for class and competition.

Course ID: 6230 / 03250500, 6231 / 03250600, 6232 / 03251100, 6333 / 03251

THEATRE PRODUCTION I, II, III, & IV**Credit:** 1**Prerequisites:** Application & Audition**Grade:** 9-12

The basic purpose of this course is to give students experience in theatrical production. Students selected to participate in this course do so with the understanding that they may be working in an acting or technical position on every production put up for the semester. Students will keep production notebooks and will have analytical and evaluative projects to complete as part of the course. Students also understand that due to the nature of this course, they will be required to attend rehearsals extending past the regular school day. Students are expected to adjust their schedule and time accordingly.

Course ID: 6221 / 03250700, 6222 / 03250800, 6223 / 03250900, 6324 / 03251000

HEALTH, P.E. AND ATHLETIC COURSES

HEALTH EDUCATION

Credit: .5

Prerequisites: None

Grade: 9-12

Health Education is a state required course for graduation and provides coverage of ten health concepts recommended for comprehensive health instruction. This course includes instruction in environment and community health; consumer health; care of the human body; nutrition; mental health; substances that modify behavior; prevention of diseases; chronic health conditions; accident prevention; first aid; emergency care and family life education.

Course ID: 0960 / 03810100

PHYSICAL EDUCATION I, II, III, & IV

Credit: 1

Prerequisites: None

Grade: 9-12

Foundations of Personal Fitness represents a new approach in physical education and the concept of personal fitness. The basic purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. The knowledge and skills taught in this course include teaching students about the process of becoming fit as well as achieving some degree of fitness within the class. The concept of wellness or striving to reach optimal levels of health is the cornerstone of this course and is exemplified by one of the course objectives – students designing their own personal fitness program.

Course ID: 091 / PES00000, 0912 / PES00001, 0913 / PES00002, 0914 / PES00003

OUTDOOR EDUCATION

Credit: 1

Prerequisites: None

Grade: 9-12

Students enrolled in adventure outdoor education are expected to develop competency in outdoor education activities that provide opportunities for enjoyment and challenge. Emphasis is placed upon student selection of activities that also promote a respect for the environment and that can be enjoyed for a lifetime

Course ID: 0919 / PES00053

CHEERLEADING I, II, III, IV

Credit: 1

Prerequisites: Application & Tryout

Grade: 9-12

The cheerleading class will consist of physical fitness activities, dance routines, and gymnastics. Activities include performing at extra-curricular activities. **The TAC §74.12(b)(6)(F) and §74.73(b)(6)(E) limits the total number of PE credits that can be earned at 4.0 credits. Although only 1.0 PE credit is required for graduation, additional state elective credits may be earned by taking any combination of the approved TEKS-based PE courses or participation in approved substitution activities.**

Course ID: 0942 / PES00013, 0943 / PES00001, 0944 / PES00002, 0945 / PES00003

ATHLETICS**Credit:** 1**Prerequisites:** Pass a physical examination & Coach Approval**Grades:** 9-12

Athletics provides a series of competitive games scheduled during the year. **The TAC §74.12(b)(6)(F) and §74.73(b)(6)(E) limits the total number of PE credits that can be earned at 4.0 credits. Although only 1.0 PE credit is required for graduation, additional state elective credits may be earned by taking any combination of the approved TEKS-based PE courses or participation in approved substitution activities.**

Course ID: Dependent on selected sport**ATHLETIC TRAINER 09, 10, 11, 12****Credit:** 1**Prerequisites:** Instructor approval, students must be able to stay before and/or after school for practices and attend summer training.**Grade:** 9-12

This course provides an opportunity for the study and application of the components of sports medicine. It will include administrative duties in sports medicine, prevention of athletic injuries, recognition, evaluation and immediate care of athletic injuries, rehabilitation and management skills, taping and wrapping techniques, emergency procedures, sports psychology, and therapeutic exercise.

Course ID: 0905 / PES00000, 0904 / PES00001, 0903 / PES00002, 0902 / PES00003**SPORTS MEDICINE I, II****Credit:** 1**Prerequisites:** None**Grade:** 9-12

This course provides an opportunity for the study and application of the components of sports medicine including sports medicine, concepts of sports injury, athletic healthcare team, sports injury law, sports injury prevention, sports psychology, nutrition, recognition of injuries, emergency action plan and initial injury evaluation, first aid/CPR/AED, the injury process, immediate care of athletic injuries of specific body areas, skin conditions in sports, blood borne pathogens, thermal injuries, and special medical concerns of the adolescent athlete.

Course ID: 0946 / N1150040, 0947 / N1150041

ELECTIVE COURSES

STUDENT COUNCIL

Credit: 1

Prerequisites: None

Grade: 9-12

Student Council is a course for students who seek opportunities to expand and deepen their group and individual leadership skills to positively impact their own lives and community. Building on collaborative skills and habits of mind, students gain knowledge and expertise in leadership skills including goal setting, effective communication, organization, time management, and collaborative strategies. The course prepares students not only for active participation in school but also in their community. Students solve relevant and current school and community issues by working collaboratively and independently on high-level, real-world tasks such as project proposals, portfolios, and presentations.

Course ID: 0603 / N1290010

TEEN LEADERSHIP

Credit: .5

Prerequisites: None

Grade: 9-12

Teen Leadership is a program in which students learn leadership, professional, and business skills. They gain an appreciation for the importance of having a vision when setting personal and professional goals. Students learn to develop a healthy self-concept, build healthy relationships, and understand the concept of personal responsibility. They investigate emotional intelligence and the parameters it measures: self-awareness, self-control, self-motivation, and effective social skills. Students learn skills in public speaking, communication, and problem solving. They also investigate the concept of personal image, the process of principle-based decision-making, and the importance of making responsible financial decisions. They identify the effects of peer pressure and develop skills to counteract those effects. Students also investigate the key aspects of family and group dynamics, thus enabling them to become better family members and citizens.

Course ID: 0600/ N1290012

PEER ASSISTANCE & LEADERSHIP I (PALS I)

Credit: 1

Prerequisites: Application & Interview

Grade: 10-12

The Peer Assistance and Leadership® (PAL) program focuses on working with elementary, middle, and high school age youth. Participants receive effective training in resiliency strategies. Course content and interactive activities combat issues like school violence, drug use/abuse, teen pregnancy, gang participation, school dropouts, and/or behavior problems.

Course ID: 0651/ N1290005

PEER ASSISTANCE & LEADERSHIP II (PALS II)**Credit:** 1**Prerequisites:** PALS I, Application & Interview**Grade:** 10-12

The Peer Assistance and Leadership® (PAL) program focuses on working with elementary, middle, and high school age youth. Participants receive effective training in resiliency strategies. Course content and interactive activities combat issues like school violence, drug use/abuse, teen pregnancy, gang participation, school dropouts, and/or behavior problems.

Course ID: 0652/ N1290006

ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID) I**Credit:** 1**Prerequisites:** Application & Interview**Grade:** 9

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success, and it is scheduled during the regular school day as a year-long course. Students may earn up to 4 credits in High School for AVID. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities and academic success skills. In AVID, students participate in activities that incorporate strategies focused on Writing, Inquiry, Collaboration, Organization, and Reading (WICOR), Character Development, Communication, and College Preparedness to support their academic growth. AVID I-IV provides a mechanism for elevating previously middle performing students for college readiness.

Course ID: 0851/ N1290001

ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID) II**Credit:** 1**Prerequisites:** Application & Interview**Grade:** 10

Advancement Via Individual Determination (AVID) is a series of courses that prepare students for college readiness and success. Students receive instruction using a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization, and reading to support their academic growth. Additionally, students engage in activities around college and career opportunities and explore their own student agency, giving students voice and often choice in how they learn. AVID II students refine the AVID strategies to meet their independent needs and learning styles. Students continue to refine and adjust their academic learning plans and goals, increasing awareness of their actions and behaviors. As students increase the rigorous course load and school and community involvement, they refine their time management and study skills accordingly. Students expand their writing portfolio to include analyzing prompts, supporting arguments and claims, character analysis, and detailed reflections. Students also analyze various documents in order to participate in collaborative discussions and develop leadership skills in those settings. Students expand their vocabulary use, continuing to prepare for college entrance exams and preparation. Text analysis focuses on specific strategies to understand complex texts. Lastly, students narrow down their college and careers of interest based on personal interests and goals.

Course ID: 0852/ N1290002

ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID) III**Credit:** 1**Prerequisites:** Application & Interview**Grade:** 11

Advancement Via Individual Determination (AVID) is a series of courses that prepare students for college readiness and success. Students receive instruction using a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization, and reading to support their academic growth. Additionally, students engage in activities around college and career opportunities and explore their own student agency, giving students voice and often choice in how they learn. AVID II students refine the AVID strategies to meet their independent needs and learning styles. Students continue to refine and adjust their academic learning plans and goals, increasing awareness of their actions and behaviors. As students increase the rigorous course load and school and community involvement, they refine their time management and study skills accordingly. Students expand their writing portfolio to include analyzing prompts, supporting arguments and claims, character analysis, and detailed reflections. Students also analyze various documents in order to participate in collaborative discussions and develop leadership skills in those settings. Students expand their vocabulary use, continuing to prepare for college entrance exams and preparation. Text analysis focuses on specific strategies to understand complex texts. Lastly, students narrow down their college and careers of interest based on personal interests and goals.

Course ID: 0853/ N1290030

ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID) IV**Credit:** 1**Prerequisites:** Application & Interview**Grade:** 12

Advancement Via Individual Determination (AVID) is a series of courses that prepare students for college readiness and success. Students receive instruction using a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization, and reading to support their academic growth. Additionally, students engage in activities around college and career opportunities and explore their own student agency, giving students voice and often choice in how they learn. AVID IV focuses on writing and critical thinking expected of first- and second-year college students. Students complete a final research essay project from research conducted in AVID III. In addition to the academic focus of the AVID IV, there are college-bound activities, methodologies, and tasks that should be achieved during the fourth year that support students as they apply to four-year universities and confirm their postsecondary plans. All AVID IV students are required to develop and present a portfolio representing their years of work in the AVID program.

Course ID: 0854/ N1290033

LOCAL CREDIT COURSES

OFFICE AIDE

Credit: 1

Prerequisites: Application & Interview

Grade: 11-12

Students implement personal and interpersonal skills to strengthen individual performance in the workplace. Students apply technical skills to assist teachers and administrators throughout the district. Students learn how to take direction from others while working and completing tasks under their assigned supervisor.

This class is **ONLY** available to juniors and seniors. Students may have only one office Aide class per year. Office Aide is taken pass/fail. GPA points are not awarded for this class.

An application for office aide must be submitted in the spring of the preceding academic year. Applications will require teacher recommendations along with the evaluation of the student's discipline records. Students placed at the discipline alternative school campus, or ISS, or suspended or expelled cannot participate in this program. Principals will have the final approval of Office Aides.

To qualify for an office aide position, students must be EOC complete and not credit deficient.

Course ID: 7102/ 85000AID

JR/SR FLEX

Credit: 1

Prerequisites: EOC Complete & Transportation

Grade: 11-12

Junior and Senior flex is an opportunity for qualified students to arrive late or have early release.

Seniors may have up to 3 JR/SR Flex periods and juniors may have up to 2 JR/SR Flex periods. **Students must provide their own transportation. Students will not be permitted to remain on campus during scheduled flex periods. EOC complete and not credit deficient.**

Course ID: 801 / AM, 802 / PM

Local credit courses do not count towards GPA nor grade point accumulation.

CAREER AND TECHNICAL EDUCATION

Technological advances and global competition have transformed the nature of work. Tomorrow's jobs will require more knowledge, better skills and more flexible workers than ever before. Tomorrow's workers must be prepared to change jobs and careers several times, continually updating their knowledge and skills. To prepare today's students for tomorrow, schools are working to help students achieve in challenging subjects.

The importance of and need for Career and Technical education grows as the American workplace becomes increasingly global. The Crandall ISD Career & Technical Education Program allows students to get experience and training in a variety of skills and careers. Career and Technical Education also presents students with the opportunity to learn and practice other critical workplace characteristics: critical thinking, problem solving, team building, communication, and leadership. In an increasingly competitive job market, Crandall ISD's Career and Technical programs can provide the extra step needed toward a secure future.

There are statewide Approved CTE Programs of Study. Career pathways within each cluster will help students plan their educational experience by combining rigorous academics and relevant career education. Crandall High School Career and Technical Education programs offer courses from the Achieve Texas clusters. The purpose of Programs of Study and Career Pathways is to provide curricula and instruction that enables students to select courses within a program of study / pathway that:

- prepares them to enter the workforce upon graduation, or to
- continue their education in an advanced technical or academic field of study.

Programs of Study identify pathways from secondary school to two- and four-year colleges, graduate school, and the workplace, so students can learn in school and what they can do in the future. This connection to future goals can motivate students to work harder and enroll in courses that are more vigorous. Crandall High School articulates with programs at TVCC to facilitate career goals of students. Additional information on career clusters can be found at www.tea.texas.gov.

The Programs of Study are listed below. For additional information, go to www.tea.texas.gov

- Agriculture, Food & Natural Resources**
- Architecture & Construction**
- Arts, A/V Technology & Communications**
- Business, Marketing, and Finance**
- Education & Training**
- Energy
- Health Science**
- Hospitality and Tourism**
- Human Services**
- Information Technology**
- Law and Public Service**
- Manufacturing
- Science, Technology, Engineering & Mathematics**
- Transportation, Distribution & Logistics

**Currently offered at Crandall High School

Enrollment in Career and Technical Education courses is open to all students without regard to race, color, creed, religious affiliation, sex or handicapping conditions.

AGRICULTURE, FOOD, AND NATURAL RESOURCES

PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES

Credit: 1

Prerequisites: None

Grade: 9-10

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations.

Course ID: 1101 / 13000200

FLORAL DESIGN

Credit: 1

Prerequisite: None

Grade: 9-12

Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. **Note: This course satisfies a fine arts credit requirement for students on the Foundation High School Program.**

Course ID: 1151 / 13001800

ADVANCED FLORAL DESIGN

Credit: 1

Prerequisite: Floral Design

Grade: 11-12

In this course, students build on the knowledge from the Floral Design course and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning. This course focuses on building skills in advanced floral design and providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event. Through the analysis and evaluation of various occasion and event types, students explore the design needs and expectations of clients and propose and evaluate appropriate creations. From conception to evaluation, students are challenged to create and design appropriate specialty floral designs that meet the needs of the client. Furthermore, an emphasis on budgetary adherence and entrepreneurship equips students with many of the necessary skills needed for success in floral enterprises.

Course ID: 1152 / N1300270

LIVESTOCK PRODUCTION

Credit: 1

Prerequisites: None

Grade: 10-12

In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry.

Course ID: 1110 / 13000300

VETERINARY MEDICAL APPLICATIONS

Credit: 1

Prerequisites: Livestock Production

Grade: 10-12

Veterinary Medical Applications covers topics relating to veterinary practices, including practices for large and small animal species.

Course ID: 1111 / 13000600

ADVANCED ANIMAL SCIENCE

Credit: 1

Prerequisites: Biology, Chemistry or IPC, Algebra 1 & Geometry, Livestock Production I **Grade:** 11-12

Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. **Note: This course satisfies a science credit requirement for students on the Foundation High School Program.**

Course ID: 1108 / 13000700

AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES

Credit: 1

Prerequisites: Principles of Agriculture, Food, and Natural Resources

Grade: 10-11

Agricultural Mechanics and Metal Technologies is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metalworking techniques. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings.

Course ID: 1102 / 13002200

AGRICULTURAL STRUCTURES DESIGN AND FABRICATION/LAB**Credit:** 1**Prerequisite:** Agricultural Mechanics and Metal Technologies**Grade:** 11-12

In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication.

Course ID: 1107 / 13002300

PRACTICUM IN AGRICULTURE, FOOD & NATURAL RESOURCES**Credit:** 1**Prerequisite:** Agricultural Structures Design and Fabrication/Lab**Grade:** 12

Practicum in Agriculture, Food, and Natural Resources 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, mentorships, or laboratories. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources Career Cluster®.

Course ID: 1114 / 13002500

ARCHITECTURE & CONSTRUCTION

PRINCIPLES OF CONSTRUCTION

Credit: 1

Prerequisites: None

Grade: 9-10

Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. For safety and liability considerations, limiting course enrollment to 15 students is recommended. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment.

Course ID: 1221 / 13004220

HEATING, VENTILATION, AND AIR CONDITIONING TECHNOLOGY I

Credit: 1

Prerequisite: Principles of Construction

Grade: 10-11

In Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I, students will gain knowledge and skills needed to enter the industry as technicians in the HVAC and refrigeration industry or building maintenance industry, prepare for a postsecondary degree in a specified field of construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, principles of HVAC theory, use of tools, codes, and installation of HVAC and refrigeration equipment.

Course ID: 1141 / 13005800

HEATING, VENTILATION, AND AIR CONDITIONING TECHNOLOGY II

Credit: 2

Prerequisite: Principles of Construction and HVAC I

Grade: 10-12

In Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II, students will gain advanced knowledge and skills needed to enter the industry as HVAC and refrigeration technicians or building maintenance technicians or supervisors, prepare for a postsecondary degree in a specified field of construction or construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, and use of tools, codes, installation of commercial HVAC equipment, heat pumps, various duct systems, maintenance practices and trouble shooting techniques.

Course ID: 1142 / 13005900

PRACTICUM IN CONSTRUCTION TECHNOLOGY

Credit: 2

Prerequisite: HVAC I & II

Grade: 10-12

In Practicum in Construction Technology, students will be challenged with the application of knowledge and skills gained in previous construction-related coursework. In many cases students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved for this class.

Course ID: 1143 / 13005250

INTERIOR DESIGN I

Credit: 1

Prerequisite: Algebra I & English I

Grade: 10-11

Interior Design I is a technical course that addresses psychological, physiological, and sociological needs of individuals by enhancing the environments in which they live and work. Students will use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, promote sustainability, and compete in industry.

Course ID: 5108 / 13004300

INTERIOR DESIGN II

Credit: 1

Prerequisite: English II, Geometry, & Interior Design I

Grade: 11-12

Interior Design II is a technical laboratory course that includes the application of the employability characteristics, principles, processes, technologies, communication, tools, equipment, and materials related to interior design to meet industry standards.

Course ID: 5109 / 13004400

ARTS, A/V TECHNOLOGY & COMMUNICATIONS

PRINCIPLES OF ARTS, A/V TECHNOLOGY & COMMUNICATIONS

Credit: 1

Prerequisites: None

Grade: 9-10

The goal of this course is for the student to understand arts, audio/video technology, and communications systems. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities.

Course ID: 4101 / 13008200

AUDIO/VIDEO PRODUCTION I

Credit: 1

Prerequisites: None

Grade: 10-12

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster®, students will be expected to develop an understanding of the industry with a focus on pre-production, production, post-production audio, and video products.

Course ID: 4102 / 13008500

AUDIO/VIDEO PRODUCTION II

Credit: 1

Prerequisites: Audio/Video Production I

Grade: 10-12

Building upon the concepts taught in Audio/Video Production, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster®, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production products. This course may be implemented in an audio format or a format with both audio and video.

Course ID: 4103 / 13008610

PROFESSIONAL COMMUNICATIONS

Credit: .5

Prerequisites: None

Grade: 9-12

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: 0710 /13009900

DIGITAL AUDIO TECHNOLOGY I**Credit:** 1**Prerequisites:** Audio/Video Production I**Grade:** 9-12

Digital Audio Technology I was designed to provide students interested in audio production careers such as audio for radio and television broadcasting, audio for video and film, audio for animation and game design, music production and live sound, and additional opportunities and skill sets. Digital Audio Technology I does not replace Audio/Video Production courses but is recommended as a single credit, co-curricular course with an audio production technical emphasis. This course can also be paired with Digital and Interactive Media. Students will be expected to develop an understanding of the audio industry with a technical emphasis on production and critical-listening skills.

Course ID: 4106 / 13009950**ANIMATION I****Credit:** 1**Prerequisites:** None**Grade:** 10-12

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster®, students will be expected to develop an understanding of the history and techniques of the animation industry.

Course ID: 2102 / 13008300**Digital Art and Animation****Credit:** 1**Prerequisite:** None**Grade:** 9-12

Digital Art and Animation consists of computer images and animations created with digital imaging software. Digital Art and Animation has applications in many careers, including graphic design, advertising, web design, animation, corporate communications, illustration, character development, script writing, storyboarding, directing, producing, inking, project management, editing, and the magazine, television, film, and game industries. Students in this course will produce various real world projects and animations.

Course ID: 2161 / 03580500**GRAPHIC DESIGN & ILLUSTRATION I****Credit:** 1**Prerequisite:** None**Grade:** 9-12

Building upon the concepts taught in Audio/Video Production, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster®, students will be expected to develop an advance.

Course ID: 2131 / 13008800

COMMERCIAL PHOTOGRAPHY I (Including Lab)**Credit:** 2**Prerequisites:** Principles of Arts, A/V Technology & Communication**Grade:** 10-12

In addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster®, students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs. Districts are encouraged to offer this lab in a consecutive block with Commercial Photography I to allow students sufficient time to master the content of both courses.

Course ID: 4110 / 13009100

COMMERCIAL PHOTOGRAPHY II (Including Lab)**Credit:** 2**Prerequisites:** Commercial Photography I**Grade:** 11-12

In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster®, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs. Districts are encouraged to offer this lab in a consecutive block with Commercial Photography II to allow students sufficient time to master the content of both courses.

Course ID: 4111 / 13009200

PRACTICUM IN COMMERCIAL PHOTOGRAPHY**Credit:** 2**Prerequisites:** Commercial Photography I & II**Grade:** 12

This course is designed to allow students the opportunity to develop advanced technical knowledge and skills needed for success in the Commercial Photography career cluster. Students will be expected to develop an increasing understanding of the industry with a focus on applying pre-photoshoot, photoshoot, and post-photoshoot activities. Instruction may be delivered through lab-based classroom experiences and off campus self-directed photoshoots.

Course ID: 4112 / 13009250

BUSINESS, MARKETING, AND FINANCE

PRINCIPLES OF BUSINESS, MARKETING & FINANCE

Credit: 1

Prerequisites: None

Grade: 9-10

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance.

Course ID: 3103 / 13011200

BUSINESS INFORMATION MANAGEMENT I

Credit: 1

Prerequisites: None

Grade: 9-12

In Business Information Management I, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.

Course ID: 3101 / 13011400

BUSINESS INFORMATION MANAGEMENT II

Credit: 1

Prerequisites: Business Information Management I

Grade: 10-12

In Business Information Management II, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software.

Course ID: 3102 / 13011500

BUSINESS LAW**Credit:** 1**Prerequisites:** None**Grade:** 11-12

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: 3105 / 13011700

ACCOUNTING I**Credit:** 1**Prerequisite:** None**Grade:** 11-12

In Accounting I, students will investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students will reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students will formulate and interpret financial information for use in management decision making. Accounting includes such activities as bookkeeping, systems design, analysis, and interpretation of accounting information.

Course ID: 3202 / 13016600

BANKING AND FINANCE**Credit:** .5**Prerequisite:** None**Grade:** 10-12

In Banking and Financial Services, students will develop knowledge and skills in the economic, financial, technological, international, social, and ethical aspects of banking to become competent employees and entrepreneurs. Students will incorporate a broad base of knowledge that includes the operations, sales, and management of banking institutions to gain a complete understanding of how banks function within society.

Course ID: 3201 / 13016300

MONEY MATTERS**Credit:** 1**Prerequisite:** None**Grade:** 9-12

In Money Matters, students will investigate money management from a personal financial perspective. Students will apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to establish short-term and long-term financial goals. Students will examine various methods of achieving short-term and long-term financial goals through various methods such as investing, tax planning, asset allocation, risk management, retirement planning, and estate planning.

Course ID: 3206 / 13016200

FINANCIAL MATHEMATICS

Credit: 1

Prerequisite: Algebra I

Grade: 10-12

Financial Mathematics is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. **Note: This course satisfies a math credit requirement for students on the Foundation High School Program.**

Course ID: 3205 / 13018000

ENTREPRENEURSHIP

Credit: 1

Prerequisites: None

Grade: 10-12

Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services.

Course ID: 3108 / 13034400

EDUCATION AND TRAINING

PRINCIPLES OF EDUCATION AND TRAINING

Credit: 1

Prerequisites: None

Grade: 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: 5101 / 13014200

HUMAN GROWTH AND DEVELOPMENT

Credit: 1

Prerequisites: None

Grade: 10-12

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: 5103 / 13014300

INSTRUCTIONAL PRACTICES

Credit: 2

Prerequisites: Principles of Education & Training

Grade: 11-12

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: 5105 / 13014400

PRACTICUM IN EDUCATION AND TRAINING**Credit:** 2**Prerequisites:** Instructional Practices**Grade:** 12

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.

Course ID: 5106 / 13014500

HEALTH SCIENCE

PRINCIPLES OF HEALTH SCIENCE

Credit: 1

Prerequisites: None

Grade: 9-10

The Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry.

Course ID: 5201 / 13020200

MEDICAL TERMINOLOGY

Credit: 1

Prerequisites: Principles of Health Science, Biology

Grade: 10-12

The Medical Terminology course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Course ID: 5202 / 13020300

HEALTH SCIENCE THEORY

Credit: 1

Prerequisites: Biology

Grade: 10-12

The Health Science Theory course 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 continued knowledge and skill development.

Course ID: 5203 / 13020400

ANATOMY AND PHYSIOLOGY

Credit: 1

Prerequisites: Biology & 2nd Science Credit

Grade: 11-12

The Anatomy and Physiology 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 Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. **Note: This course satisfies a science credit requirement for students on the Foundation High School Program.**

Course ID: 5204 / 13020600

PRACTICUM IN HEALTH SCIENCE

Credit: 2

Prerequisites: Health Science Theory & Biology

Grade: 11-12

The Practicum in Health Science course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.

Course ID: 5205 / 13020500

PHARMACOLOGY

Credit: 1

Prerequisites: Biology, Chemistry, Principles of Health Science

Grade: 11-12

The Pharmacology course is designed to study how natural and synthetic chemical agents such as drugs affect 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 continually demands greater amounts of time and education from health care workers.

Course ID: 5212 / 13020950

INTRODUCTION TO IMAGING TECHNOLOGY

Credit: 1

Prerequisites: None

Grade: 10

The Introduction to Imaging Technology course provides students an introduction to the basic principles, guidelines, and knowledge needed for members of the medical imaging field. This course will provide the student with an overview of radiography and its role within the health care system, including basic radiology terminology, equipment, basic image production, patient positioning, and radiation safety. The student will study human anatomic structures and organs, as well as the standard positioning associated with the chest, abdomen, upper and lower extremities. This course is recommended for students grades 9-10 interested in the medical imaging field.

Course ID: 60660 / N1302102

HOSPITALITY AND TOURISM

INTRODUCTION TO CULINARY ARTS

Credit: 1

Prerequisites: None

Grade: 9-10

Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into food production skills, various levels of industry management, and hospitality skills. This is an entry level course for students interested in pursuing a career in the food service industry. This course is offered as a classroom and laboratory-based course.

Course ID: 5311 / 13022550

CULINARY ARTS

Credit: 1

Prerequisites: Introduction to Culinary Arts

Grade: 10-11

Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification or other appropriate industry certifications. This course is offered as a laboratory-based course.

Course ID: 5303 / 13022600

ADVANCED CULINARY ARTS

Credit: 2

Prerequisites: Culinary Arts

Grade: 11-12

Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by in-depth instruction of industry-driven standards to prepare students for success in higher education, certifications, and/or immediate employment.

Course ID: 5304 / 13022650

PRACTICUM IN CULINARY ARTS

Credit: 2

Prerequisites: Advanced Culinary Arts

Grade: 12

Practicum in Culinary Arts is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more 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 culinary art based workplace.

Course ID: 5305 / 13022700

HUMAN SERVICES

PRINCIPLES OF HUMAN SERVICES

Credit: 1

Prerequisites: None

Grade: 9-10

Principles of Human Services is a laboratory course that will enable students to investigate careers in the Human Services Career Cluster, including counseling and mental health, early childhood development, family and community, personal care, and consumer services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.

Course ID: 60800 / 13024200

COSMETOLOGY I

Credit: 3

Prerequisites: None

Grade: 11

In Cosmetology I, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation (TDLR) requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included.

Course ID: COLAB1 / 13025210

COSMETOLOGY II

Credit: 3

Prerequisites: Cosmetology

Grade: 12

In Cosmetology I, students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation (TDLR) requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included.

Course ID: COLAB2 / 13025310

INFORMATION TECHNOLOGY

PRINCIPLES OF INFORMATION TECHNOLOGY

Credit: 1

Prerequisites: None

Grade: 9-10

In Principles of Information Technology, students will develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students will enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment.

Course ID: 2105 / 13027200

DIGITAL MEDIA

Credit: 1

Prerequisites: None

Grade: 9-12

In Digital Media, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students will enhance reading, writing, computing, communication, and critical thinking and apply them to the IT environment.

Course ID: 2101 / 13027800

COMPUTER MAINTENANCE

Credit: 1

Prerequisites: Principles of Information Technology

Grade: 10-11

In Computer Maintenance, students will acquire knowledge of computer maintenance and create appropriate documentation. Students will analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as related to computer maintenance. Students will apply technical skills to address the IT industry and emerging technologies.

Course ID: 2108 / 13027300

COMPUTER TECHNICIAN PRACTICUM**Credit: 2****Prerequisites:** Computer Maintenance**Grade:** 11-12

In the Computer Technician Practicum, students will gain knowledge and skills in computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce, apply, and transfer their knowledge and skills to a variety of settings and problems. Proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an instructor, with an industry mentor, or both.

Course ID: 2109 / 13027500

COMPUTER TECHNICIAN PRACTICUM (2nd Time)**Credit: 2****Prerequisites:** Computer Technician Practicum**Grade:** 12

In the Computer Technician Practicum (2nd time), students will gain knowledge and skills in computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce, apply, and transfer their knowledge and skills to a variety of settings and problems. Proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society.

Course ID: 2119 / 13027510

COMPUTER SCIENCE I**Credit: 1****Prerequisites:** Algebra I**Grade:** 10-12

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts.

Course ID: 2141 / 03580200

LAW ENFORCEMENT

PRINCIPLES OF LAW ENFORCEMENT

Credit: 1

Prerequisites: None

Grade: 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: 2201 / 13029200

LAW ENFORCEMENT I

Credit: 1

Prerequisites: Principles of Law Enforcement

Grade: 10-12

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: 2205 / 13029300

LAW ENFORCEMENT II

Credit: 1

Prerequisites: Law Enforcement I

Grade: 10-12

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

Course ID: 2206 / 13029400

FORENSIC SCIENCE

Credit: 1

Prerequisites: Biology & Chemistry

Grade: 11-12

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. Scientific methods of investigation can be experimental, descriptive, or comparative. The method chosen should be appropriate to the question being asked. **Note: This course satisfies a science credit requirement for students on the Foundation High School Program.**

Course ID: 2211 / 13029500

ARMY JUNIOR RESERVE OFFICER TRAINING CORPS (JROTC) I**Credit:** 1**Prerequisites:** None**Grade:** 9-10

This course includes classroom instruction and laboratory instruction in the history, customs, traditions and purpose of Army JROTC. It contains the development of basic leadership skills to include leadership principles, values and attributes. Development of core skills students should master, an appreciation for diversity and active learning strategies are integrated throughout the course. The performance standards in this course are based on the performance standards identified in the curriculum for the US Army JROTC.

Course ID: 0801 / 03160100

ARMY JUNIOR RESERVE OFFICER TRAINING CORPS (JROTC) II**Credit:** 1**Prerequisites:** JROTC1**Grade:** 10-12

This course is designed to build on the self-discovery skills sets taught in JROTC 1. As self-directed learners, students study the fundamentals citizenship skills, the foundation of the American political system and our Constitution. Personal responsibility and wellness is reinforced by diet, nutrition and physical fitness activities. Drug and alcohol awareness and prevention are reinforced. Students are placed in leadership roles that enable them to demonstrate an understanding of basic leadership principles, values and attributes. The Junior ROTC curriculum is enhanced through physical fitness activities, extracurricular and co-curricular activities that support the core employability skills standards and McREL academic standards.

Course ID: 0802 / 0316000

MANUFACTURING

ROBOTICS I

Credit: 1

Prerequisites: None

Grade: 9-10

In Robotics I, students will transfer academic skills to component designs in a project-based environment through implementation of the design process. Students will build prototypes or use simulation software to test their designs. Additionally, students will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry.

Course ID: 1205 / 13037000

SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS

PRINCIPLES OF APPLIED ENGINEERING

Credit: 1

Prerequisites: None

Grade: 9-10

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

Course ID: 1201 / 13036200

ENGINEERING DESIGN AND PRESENTATION

Credit: 1

Prerequisites: Algebra I

Grade: 10-12

Engineering Design and Presentation I is a continuation of knowledge and skills learned in Principles of Applied Engineering. Students enrolled in this course will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas.

Course ID: 1202 / 13036500

ENGINEERING DESIGN AND PROBLEM SOLVING

Credit: 1

Prerequisites: Algebra I & Geometry

Grade: 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 under constraint." Various engineering disciplines address a broad spectrum of design problems using specific concepts from the sciences and mathematics to derive a solution.

Course ID: 1203 / 13037300

ROBOTICS I**Credit:** 1**Prerequisites:** None**Grade:** 11-12

In Robotics I, students will transfer academic skills to component designs in a project-based environment through implementation of the design process. Students will build prototypes or use simulation software to test their designs. Additionally, students will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry.

Course ID: 1205 / 13037000

Once a Pirate...
Always a Pirate!