2026 - 2027

Goose Creek CISD

Educational Planning Guide

HERE, WE GROW GIANTS

Greetings Students and Parents of Goose Creek CISD,

As we look ahead to the 2026–2027 school year, Goose Creek CISD remains committed to our vision: empowering every student with the knowledge and skills needed to thrive in a rapidly evolving global community. We are proud to offer a wide range of Academies, Career and Technical Education programs, and Dual Credit opportunities that meet the diverse interests and goals of our students.

These unique pathways enable students to earn college credit, and in some cases, an associate degree, while completing their high school education, preparing them for both higher education and today's workforce.

The High School Course Guide is a valuable tool for students and families as they plan their academic journey for the upcoming year. It includes detailed course descriptions, prerequisites, and important information to help make informed decisions. Please note that elective offerings may vary by campus based on student interest and enrollment, and course options are regularly updated on the district's website.

Course selection is a collaborative effort that begins in junior high and involves students, parents, counselors, and teachers. We encourage families to approach this process with care, taking into account each student's interests, academic goals, and future plans after graduation.

To graduate from Goose Creek CISD, students must meet the state requirements outlined in Chapter 74 of the Texas Administrative Code, in addition to local graduation requirements and state assessment obligations.

For students with specific career goals, it's important to select high school courses and graduation pathways that support their chosen field. Likewise, students planning to attend college should consider admission requirements for their intended institutions when making course selections.

We value our partnership with you and are honored to support your child's educational journey. Here's to a successful and rewarding 2026–2027 school year!

Goose Creek Consolidated Independent School District

PORTRAIT OF A GRADUATE

COLLABORATIVE RELATIONSHIPS
Shares Responsibility
Partners with Community and Businesses
Team-Oriented Mindset

DYNNAMIC LEADER
Inspires Others
Honesty and Integrity
Commitment and Passion

COLLEGE & CAREER READY
Goal Focused
Lifelong Learner
Technology and Data Driven

SKILLED COMMUNICATOR
Expresses Ideas Effectively
Active Listener
Values Soft Skills

CRITICAL THINKER
Objective and Reflective
Values Innovation and Creativity
Asks Pertinent Questions

TABLE OF CONTENTS

GRADUATION PROGRAMS OVERVIEW

Foundation High School Program

The Foundation High School Program is a flexible graduation program that enables students to follow their high school interests and effectively prepare for a postsecondary education and/or career in a high-wage, high-skill, and in-demand field.

Students may customize their high school experience by completing additional components of the Foundation High School Program:

- Endorsements: Endorsements demonstrate knowledge a student has acquired in a specific field or career and help students prepare for their future goals.
- Distinguished Level of Achievement: The distinguished level of achievement designation requires completion of extra credits in math and science, as well as an earned endorsement in a chosen field. This designation is also required for automatic admission to any Texas public university for students in the top 10 percent of their class.
- Performance Acknowledgments: Performance acknowledgments recognize excellence in specific areas. These honors appear on a student's high school transcript and enhance their prospects for college admission or career opportunities. Students can earn multiple performance acknowledgments.

Texas First Early High School Completion Program

The Texas First Early High School Completion Program, also called the Texas First Program, is a graduation program that recognizes high-achieving students and allows students an opportunity to graduate early and receive a Texas First Scholarship.

FOUNDATION HIGH SCHOOL PROGRAM

The Foundation High School Program identifies the requirements Texas public school students need to satisfy to earn a high school diploma.

A credit is a measure of achievement for completing a high school course. To graduate under the Foundation High School Program, students must earn a minimum of 22 credits in the following areas:

FOUNDATION COURSE CREDITS (22 credits)

English (4 credits) • English I • English II • English III* • An advanced English course	**Math (3 credits)** • Algebra I • Geometry • An advanced math course	**Science (3 credits)** • Biology • Integrated Physics and Chemistry (IPC), chemistry, or physics • An advanced science course
Social Studies (3 credits) • World History or World Geography • U.S. History • U.S. Government (one-half credit) • Economics or Economics and Personal Financial Literacy (one-half credit)**	**Languages Other than English (2 credits)** • Two credits in the same language or two credits from computer programming languages	**Physical Education (1 credit)** **Fine Arts (1 credit)** **Electives (5 credits)**

COURSE CREDITS WITH ENDORSEMENTS (26 credits)

A student may earn an endorsement by successfully completing the following **additional** requirements:

- the curriculum requirements for an endorsement,
- a fourth credit in math,
- a fourth credit in science, and
- two additional electives.

* English III or a comparable Advanced Placement (AP) or International Baccalaureate (IB) English language arts and reading course.

** For students entering ninth grade prior to and during the 2025–2026 school year.

Additional Graduation Requirements

End-of-Course (EOC) Exams

To graduate from a Texas public high school, students must complete the required credits needed to satisfy the Foundation High School Program requirements and pass EOC exams for English I, English II, Biology, Algebra I, and U.S. History. A student who fails no more than two of the required EOCs can still receive a diploma if they qualify to graduate as a result of an individual graduation committee (IGC) review.

Financial Aid

Students must also do one of the following in grade 12 to graduate:

- Complete and submit a Free Application for Federal Student Aid (FAFSA);
- Complete and submit a Texas Application for State Financial Aid (TASFA); or
- Submit a signed Financial Aid Application Opt-Out Form.

Speech Requirement

Students are required to demonstrate proficiency in certain communication skills defined by the State Board of Education (SBOE) to graduate. Districts can choose different methods to assess how students meet the speech requirement.

Instruction on Proper Interaction with Peace Officers

Students must receive instruction in proper interaction with peace officers at least once before graduation, as required by the Community Safety Education Act.

Instruction in Cardiopulmonary Resuscitation (CPR) and Automated External Defibrillator (AED)

Students must receive instruction in CPR at least once in grades 7–12 before graduation. Beginning with students entering grade 7 in the 2024–2025 school year, students must also receive instruction in the use of an AED.

Visit TEA's State Graduation Requirements web page for more information.
Specific curriculum requirements, SBOE rules, and other graduation provisions can be found on TEA's 19 TAC, Chapter 74 web page.

ENDORSEMENT OPTIONS

An endorsement represents a student's demonstrated proficiency in a related set of courses often associated with their interests or career goals. Completing an endorsement provides students with in-depth knowledge to pursue high-wage and in-demand occupations.

Endorsements also help students prepare for further education, training, or careers in a chosen field. To earn an endorsement, students must complete four credits each in math and science, two additional elective credits, and the specific courses required for the endorsement. Students may earn more than one endorsement. A student can graduate without an endorsement if their parent signs the opt-out agreement form. Speak to a local school counselor to discuss options.

What is a CTE completer?

A CTE completer is a student who completes, passes, and receives credit for three or more high school career and technical education (CTE) courses within a program of study for four or more credits. Additionally, one of the courses must be a Level 3 or Level 4 course.

Students can choose from five endorsement areas:

STEM

All students who wish to earn a science, technology, engineering, and mathematics (STEM) endorsement must complete Algebra II, chemistry, and physics and one of the following options:

- Become a CTE completer in a TEA-designated program of study related to STEM
- Earn two additional advanced math courses
- Earn two additional advanced science courses

BUSINESS & INDUSTRY

Select one of the following options:

- Become a CTE completer in a TEA-designated program of study related to business and industry
- Become a CTE completer in certain TEA-designated programs of study if the math and science requirements for the STEM endorsement are not met
- Earn four credits in English electives in public speaking, debate, advanced broadcast journalism, or advanced journalism, including newspaper and yearbook

PUBLIC SERVICE

Select one of the following options:

- Become a CTE completer in a TEAdesignated program of study related to public service
- Earn four credits in Junior Reserve Officer Training Corps (JROTC)

MULTIDISCIPLINARY STUDIES

Select one of the following options:

- Successfully complete four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation
- Earn four credits in each foundation subject area, including chemistry and/or physics and English IV or a comparable Advanced Placement (AP) or International Baccalaureate (IB) English course
- Earn four credits in AP, IB, or dual credit courses selected from English, math, science, social studies, economics, LOTE, or fine arts

ARTS & HUMANITIES

Select one of the following options:

- Successfully complete two levels each in two languages other than English (LOTE)
- Successfully complete four levels in the same LOTE
- Successfully complete four levels of American Sign Language (ASL)
- Earn four credits in one or two disciplines in fine arts (music, theater, art, dance, or film)
- Earn four credits of English electives not included in the business and industry endorsement
- Earn five social studies credits

CTE PROGRAMS OF STUDY

CTE program of study course sequences help students develop technical and academic skills for a specific career path. They also teach employability skills that apply to any workplace. Programs of study include work-based learning and may lead to a post-secondary credential. Programs of study do not replace endorsements; they support the completion of an endorsement. The programs of study fall under one of the 14 state-approved career clusters:

- Agriculture, Food, and Natural Resources
- Architecture and Construction
- Arts, Audio Visual Technology, and Communication
- Business, Marketing, and Finance
- Education and Training
- Energy
- Engineering
- Health Science
- Hospitality and Tourism
- Human Services
- Information Technology
- Law and Public Service
- Manufacturing
- Transportation, Distribution, and Logistics

Visit TEA's CTE Programs of Study web page for more information.

DISTINGUISHED LEVEL OF ACHIEVEMENT

Choices Determine Options

Education and training beyond high school are required for most high-skill, high-wage, and in-demand jobs. Student choices affect their future options, whether the goal is an industry credential from a community or technical college or a four-year degree from a university. Students should take the appropriate classes to prepare for their chosen pathway in either postsecondary education or entrance into the workforce.

Distinguished Level of Achievement Requirements

- A total of four credits in math, including Algebra II
- A total of four credits in science
- Successful completion of an endorsement in an area of interest

A student must earn the distinguished level of achievement to be admitted to a Texas public university under the top 10 percent automatic admission law.*

PERFORMANCE ACKNOWLEDGEMENTS

Performance acknowledgments recognize outstanding achievement in specific areas. These distinctions will appear on the high school transcript and enhance a student's chances of entering college and/or the workforce successfully. Students can earn more than one performance acknowledgment.

- Dual credit courses
- Bilingualism and bi-literacy
- PSAT, ACT ASPIRE or PREACT, SAT, or ACT
- Advanced Placement (AP or International Baccalaureate(IB) exams
- State-, nationally-, or internationally-recognized business or industry certifications or licenses

TEXAS FIRST PROGRAM

This graduation program identifies a set of requirements that Texas public school students must satisfy to earn a high school diploma, achieve the distinguished level of achievement, and qualify for the Texas First Scholarship.

Minimum Course Credits
Complete any 22 high school credits. Consider the following when determining which 22 credits to complete:

- the required assessments and demonstration of subject-area mastery for the Texas First Program; and
- college admissions requirements.

Subject-Area Mastery
Demonstrate mastery of each of the following subject areas: English Language Arts and Reading (ELAR), mathematics, science, social studies, and a language other than English (LOTE).

Mastery of each subject area can be demonstrated by meeting one or more of the following criteria:

1. earn a STAAR End-of-Course (EOC) assessment score that meets the college readiness standards for Texas Success Initiative application exemption;
2. earn course credit in the core curriculum of an institution of higher education with a C or higher; or
3. ahieve the minimum standards on an assessment set out in Figure 1, 19 TAC §21.52.

Grade Point Average (GPA)
Achieve a minimum final high school GPA of 3.0 on a 4.0 scale.

Assessment Scale Score or Top 10% Graduate
Students must either:

1. earn an overall scaled score in at least the 80th percentile on one or more of the following assessments: ACT, SAT, PSAT/NMSQT®, TSIA/TSIA2, or GED®; or
2. have a GPA in the top ten percent of the student's current class during the current or the semester before the counselor/administrator verifies student eligibility for early graduation under the Texas First Program.

STAAR EOC
Complete the STAAR EOC examinations for English I or II, Algebra I, and Biology by:

- achieving a satisfactory level of performance on the STAAR EOC; or
- achieving a passing score on state-approved substitute assessments for the STAAR EOC.

Additional Requirements

- Texas Residency: Must be a resident of Texas.
- •FAFSA or TASFA Completion: Complete the Free Application for Federal Student Aid (FAFSA) or the Texas Application for State Financial Aid (TASFA).
- Official Assessment Results: Provide schools with official copies of any applicable assessment results.

TEXAS FIRST SCHOLARSHIP

Interested students who complete the Texas First Program should have their counselor verify all eligibility requirements and upon graduation have the counselor/administrator complete the Verification Confirmation Form found in Texas OnCourse Academy.

Additional Information
• TEA Texas First Early High School Completion web page
• THECB Texas First Program web page

GRADUATION CHECKLISTS

Grade 8

- ☐ Review options offered under the Foundation High School Program and the endorsements available to decide on future academic paths.
- ☐ Select an endorsement and/or a CTE program of study, if applicable, that aligns with personal interests, college major, and career training.
- ☐ Recognize most college admissions processes value rigorous courses including Algebra II, higher-level science courses, and languages other than English.
- ☐ Complete a personal graduation plan (PGP) by the end of the 8th grade year using MapMyGrad.

Grades 9 and 10

- ☐ Monitor high school credit completion.
- ☐ Take dual credit or AP courses to earn college credit while still in high school.
- ☐ Consider CTE courses and programs of study relating to career interests.
- ☐ Keep a list of awards, honors, and extracurricular activities for scholarship and college applications.
- ☐ Research colleges or universities to attend.
- ☐ Check college and university admission and application requirements and timelines.
- ☐ Consider taking SAT or ACT preparation classes.
- ☐ Explore interests and career exploration opportunities and attend site visits during college open house events.
- ☐ Update a PGP using MapMyGrad.
- ☐ Attend college and career nights.
- ☐ Talk with college representatives and future employers about academic programs and financial aid available.
- ☐ Take the Texas Success Initiative Assessment 2.0 (TSIA2) and the preliminary PSAT/NMSQT as a sophomore.

Grades 11 and 12

- ☐ Sign up and take a college readiness exam (ACT, SAT, TSIA2) before grade 12.
- ☐ Take dual credit or AP courses to earn college credit.
- ☐ Visit a counselor or college advisor to learn about available scholarships. Apply early and for numerous scholarships. Explore financial aid.
- ☐ Participate in internships.
- ☐ Submit either the FAFSA or the TASFA early in grade 12.
- ☐ Apply to college during grades 11 and 12.

Non-Traditional Education Programs

Peter E. Hyland Empower Academy

Peter E. Hyland Empower Academy is a hub for innovative, non-traditional education programs, grounded in the belief that this is the place “Where Every Warrior Rises.” Empower Academy provides flexible, rigorous, and supportive pathways that lead students to graduation and postsecondary success. With individualized learning plans, wraparound services, and strong community partnerships, Empower Academy ensures that learners of all ages and stages can thrive academically, socially, and personally.

Who We Serve

Students who are ready for a fresh start and flexible options to reach their goals. Our scholars may:

- Need credit recovery or acceleration to graduate on time
- Balance school with work, parenting, or other responsibilities
- Thrive in smaller, student-centered environments or seek strong supports
- Be motivated to grow, set goals, and create a brighter future

Peter E. Hyland Virtual Academy

The Virtual Academy serves students through a structured online program that blends synchronous coursework with required synchronous sessions. Each scholar is assigned a mentor who provides weekly one-on-one check-ins to review progress, set goals, and offer support. Students also participate in daily morning announcements, small group instruction, and scheduled face-to-face or virtual tutoring as needed.

Committee Review Requirements

Applications are reviewed by a campus committee based on student readiness, including credits, STAAR performance, attendance, and discipline. Families must commit to the Progress Monitoring Agreement for coursework, mentor meetings, and engagement. For students receiving special education services, placement is determined by the Admission, Review, and Dismissal (ARD) Committee, ensuring alignment with the student’s IEP and Least Restrictive Environment (LRE).

Peter E. Hyland Night School

Night School provides high school students with a flexible pathway to earn or recover credits toward graduation in a supportive, structured environment. The program allows learners to balance academics with work, family, or personal responsibilities while staying on track for graduation.

The program is tuition-free and provides individualized instruction aligned to district and state standards. Evening classes include support from certified teachers and wraparound services such as counseling and snacks to support student needs. In accordance with Texas compulsory attendance laws (TEC §25.092), Night School may also be used for attendance recovery. Students must meet with their grade-level administrator to complete required paperwork and contact their high school counselor to discuss eligibility and course needs.

ACADEMIC ACHIEVEMENT AND CLASS RANKING

Grade Point Average (GPA)

The grade point average (GPA) shall represent a student's overall average in courses taken and shall be determined by dividing accumulated grade points earned by the total number of courses taken.

The GPA shall be computed to three decimal places and assessed after each semester. The GPA shall not be used to determine class rank; class rank shall be determined by a student's academic class rank (ACR).

Academic Class Rank (ACR)

In accordance with Board Policy EIC (LOCAL), the academic class rank (ACR) shall be used to award class rank based on the district's weighted grade point scale. Class rank shall be defined as a numerical standing with one's peers determined by academic success in selected courses.

Final class rank for graduating seniors shall be assessed after the third nine weeks of the school year. After graduation, final transcript records (GPA) will be recalculated and recorded on the academic achievement record.

The calculation of class rank shall exclude grades earned in:

- Any course for which credit is earned outside the regular school day or year
- Any distance learning course
- Any local credit course
- Any credit recovery course
- Any credit earned through credit by examination (with or without prior instruction)

The ACR will be determined by dividing accumulated grade points earned by the total number of eligible state-approved Foundation courses, Advanced Placement (AP) courses, and dual credit courses taken. Eligible courses are identified annually in the course selection guide. (See the section titled "Courses to be used for Determining Academic Class Rank.")

Excluded from ACR calculations are:

- Local credit courses
- Courses attempted under the following instructional arrangements:
- Credit by examination
- Correspondence
- Computer-assisted instruction
- Night school
- Summer school
- Dual credit courses taken outside of the academic school day

Courses Outside of the School Day - Summer School, Zero Credit Courses

As per Local policy, EIC -The calculation of class rank shall exclude grades earned in any course for which credit is earned outside the regular school day or regular school year; any distance learning course; any local credit course; any credit recovery course; or through credit by examination, with or without prior instruction.

Credit recovery coursework (e.g., via Edgenuity or face-to-face) will be transcribed as a P for Pass and not calculated in GPA. For STAAR remediation combined with credit or attendance recovery, coursework will also be transcribed as P for Pass and not factored into the GPA.

Retaking a High School Course After Receiving a Passing Grade

New legislation from the 2023 session allows a student to retake a course for which they have received a passing grade. GPA points will only be awarded for the first successful completion of the course. Students may retake the course, but no GPA points will be awarded for any subsequent attempts.

Modified Courses

Courses modified by a student's Admission, Review, and Dismissal (ARD) committee as to the required TEKS content and reflected in the student's Individualized Education Program (IEP), shall be categorized and weighted as Regular courses.

The District shall convert semester grades earned in eligible courses to grade points in accordance with the Academic Class Rank chart and shall calculate a weighted GPA accordingly.

Transfer Grades

All incoming student GPAs shall be converted to the GPA system used by the district to determine credits accredited.

Valedictorian and Salutatorian

The valedictorian and salutatorian shall be the eligible students with the highest and second-highest ACR rankings, respectively, and who meet the criteria in the Honor Graduates section.

Honor Graduates

Top Two Percent of the Class	Summa Cum Laude
Next Three Percent of the Class	Magna Cum Laude
Next Five Percent of the Class	Cum Laude

Weighted Grade Point Scale

Beginning with the Class of 2026, the district shall categorize and weight eligible courses as Advanced, Honors, and Regular / Academic, in accordance with the provisions of this policy and as designated in appropriate District publications.

- Eligible Advanced Placement (AP) and dual credit courses shall be categorized and weighted as Advanced courses.
- Eligible locally designated honors courses shall be categorized and weighted as Honors courses.
- All other eligible courses shall be categorized and weighted as Regular/Academic courses.

In addition, local honors recognition shall be awarded to the Top Ten academically ranked students, including the valedictorian and salutatorian, who meet all of the following criteria:

- Completion of the Advanced/Distinguished Achievement Program or the Foundation Plan with Distinguished Level of Achievement.
- Continuous enrollment in the same high school within Goose Creek CISD for the four semesters preceding graduation.
- Satisfactory completion of all coursework and state testing requirements.

The district shall convert semester grades earned in eligible courses to grade points using the following chart and shall calculate a weighted grade point average (GPA) accordingly:

Grade	AP/OnRamps/ Academic Dual Credit*	Honors/Career & Technical Education Dual Credit*	Regular / Academic
100	6.0	5.0	4.0
99	5.9	4.9	3.9
98	5.8	4.8	3.8
97	5.7	4.7	3.7
96	5.6	4.6	3.6
95	5.5	4.5	3.5
94	5.4	4.4	3.4
93	5.3	4.3	3.3
92	5.2	4.2	3.2
91	5.1	4.1	3.1
90	5.0	4.0	3.0
89	4.9	3.9	2.9
88	4.8	3.8	2.8
87	4.7	3.7	2.7
86	4.6	3.6	2.6
85	4.5	3.5	2.5
84	4.4	3.4	2.4
83	4.3	3.3	2.3
82	4.2	3.2	2.2
81	4.1	3.1	2.1
80	4.0	3.0	2.0
79	3.9	2.9	1.9
78	3.8	2.8	1.8
77	3.7	2.7	1.7
76	3.6	2.6	1.6
75	3.5	2.5	1.5
74	3.4	2.4	1.4
73	3.3	2.3	1.3
72	3.2	2.2	1.2
71	3.1	2.1	1.1
70	3.0	2.0	1.0
Below 70	0.0	0.0	0.0

*Pending 2026 TAC Chapter 74 Update

First Choice and UIL Requirements

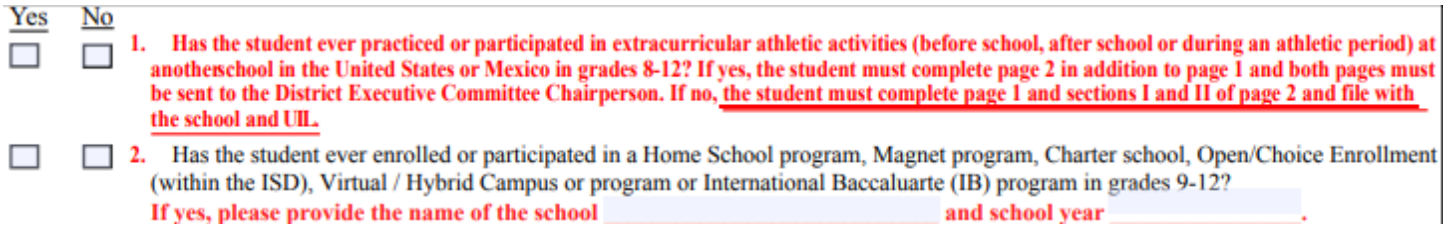
CCR Section 403 (f)(4):

Intra-District Transfers. A student who has an option to attend more than one high school within a school district, rather than being assigned to a school according to attendance zones, is eligible at the school first selected if he/she transfers at the first opportunity. If a student subsequently transfers to another school, the student is not eligible for varsity athletic competition until he/she has been in and regularly attended that school for at least the previous calendar year.

Intra-District:

If a student athlete transfers to an open enrollment district at first choice (outside of their current district), they are ineligible for varsity participation. This rule only applies to intra-district. (Charters/Magnets/Academies)

UIL Previous Athletic Participation Forms (PAPF):



Yes	No	
☐	☐	1. Has the student ever practiced or participated in extracurricular athletic activities (before school, after school or during an athletic period) at anotherschool in the United States or Mexico in grades 8-12? If yes, the student must complete page 2 in addition to page 1 and both pages must be sent to the District Executive Committee Chairperson. If no, the student must complete page 1 and sections I and II of page 2 and file with the school and UIL.
☐	☐	2. Has the student ever enrolled or participated in a Home School program, Magnet program, Charter school, Open/Choice Enrollment (within the ISD), Virtual / Hybrid Campus or program or International Baccaluarte (IB) program in grades 9-12? If yes, please provide the name of the school _____ and school year _____.

Eligibility Waiver: Honors, AP, and Dual Credit Classes

Honors/AP:
A student in an honors or advanced course shall be ineligible for participation in any extracurricular activity when his or her average in any advanced or honors course is lower than 60 in a six-week grading period. A student who fails any advanced course with a grade of 60 or above shall appeal to the principal or principal's campus administrator to have the no-pass, no-play suspension waived.

Dual Credit:
Any Dual credit (including OnRamps) are exempt from waivers for all extra-curricular activities.

COLLEGE AND CAREER PLANNING

My Texas Future (SB 2314)

Texas law requires the creation of My Texas Future (MyTexasFuture.org), an online platform to help high school students learn about, and apply to, colleges and universities via a common admission application. Students will also be able to see which schools will offer direct admission based on their academic profile, explore eligible financial aid, and compare post-secondary credential options.

- 1st Semester 9th Grade: Students/parents will be notified to create or update a profile each year.
- Before graduation, students will opt in or out of data sharing, allowing colleges and universities to see their profiles for direct admission.

College Entrance Exams

Preliminary SAT/National Merit Scholarship Qualifying Test PSAT/NMSQT

The PSAT is a two-hour test given once a year. Many students take the PSAT, not only as preparation for the SAT taken in senior year and widely used as a major criterion for college admissions, but also to qualify for the National Merit Scholarship Competition. As with the SAT, the PSAT has separate math and verbal sections and a third section testing English grammar.

Almost all students take the PSAT during their junior year, but some students may take the PSAT in junior school, and many students take the PSAT when they are sophomores to get the feel of the test. However, it is only the scores from the PSAT taken in your junior year that are considered for the National Merit Scholarship competition.

This scholarship competition awards approximately 6,900 scholarships annually. The selection process starts with the choosing of National Merit Scholarship Semi-Finalists and Commended Scholars. Cutoffs vary from state to state, but typically, Semi-Finalists score in the top one percent of students in their state and Commended Scholars between the top one to four percent. Most of the approximately 16,000 Semifinalists become Finalists, and half of those ultimately receive National Merit Scholarships.

The most common reasons for taking the PSAT/NMSQT are:

- To receive feedback on your strengths and weaknesses on the skills necessary for college study. You can then focus your preparation on those areas that could most benefit from additional study or practice.
- To see how your performance on an admissions test might compare with that of others applying to college.
- To enter the competition for scholarships from the National Merit Scholarship Corporation (grade 11).
- To help prepare for the SAT. You can become familiar with the kinds of questions and the exact directions you will see on the SAT

Texas Success Initiative Assessment 2.0 (TSIA2)

The TSIA2 includes reading, writing, and mathematics assessments that determine if an incoming student is prepared to enroll and succeed in entry-level college courses, or if additional skill development is needed. TSIA2 provides a detailed analysis of the test taker's strengths and weaknesses to help focus support in the identified areas of development with the goal of skill building and eventual mastery. TSIA2 includes questions for classification and diagnostic purposes that align with Texas College and Career Readiness Standards (CCRS); the critical Texas Essential Knowledge and Skills (TEKS) and CCRS Performance Expectations that support the English III (Reading and Writing) and Algebra II State of Texas Assessments of Academic Readiness (STAAR) End-of-Course Assessments; the AEL Standards 2.0; and the skills identified under the National Reporting System's (NRS) six-level Educational Functioning Level Descriptors (EFLD).

All students are encouraged to take the TSIA2 assessment in 9th or 10th grade. Students may retake the test as many times as needed to achieve a passing score, with no penalty.

SAT

The SAT is a digital entrance exam used by many colleges and universities. It is created and administered by the College Board. The SAT and other College Board tests are offered several times a year. Most students take the SAT for the first time during the spring of their junior year and a second time during the fall of their senior year. Fee waivers are available for those who qualify. Please see your counselor or visit satsuite.collegeboard.org for more information.

The purpose of the SAT is to measure a high school student's readiness for college and provide colleges with one common data point that can be used to compare all applicants. Colleges consider the SAT score along with high school GPA, the rigor of classes taken, recommendation letters, essays, and extracurricular involvement.

The current SAT is divided into two sections: Reading & Writing (combined) and Math. The total testing time for the scored portions is 2 hours and 14 minutes. The Reading & Writing section includes multiple-choice questions that test reading comprehension, grammar and usage, text effectiveness, and standard English conventions. The Math section includes multiple-choice and free-response (enter-in) questions, with calculators allowed throughout. There is no longer a separate essay section for most test takers.

	Reading and Writing	Math
Time	64 minutes	70 minutes
Questions	54 questions	44 questions
Score Range	200-800	200-800

American College Test (ACT)

The ACT is a national college admissions test accepted by all 4-year U.S. colleges and universities. It measures what students have learned in high school in English, Math, Reading, and Science, with an optional Writing test. The ACT is not an IQ or aptitude test. Its questions are based on high school coursework and college-readiness standards.

Scores are based only on correct answers; there's no penalty for guessing. Students choose which test date scores to send to colleges.

ACT provides resources to prepare, including free online practice tests, the "Preparing for the ACT" guide, and ACT Official Prep. In addition, students complete a profile and Interest Inventory to help colleges learn about their academic background and career interests.

	English	Math	Reading	Science
Time	45 minutes	60 minutes	35 minutes	35 minutes
Questions	75 questions	60 questions	40 questions	40 questions
Score Range	1-36	1-36	1-36	1-36

A composite score is averaged: Composite = (English+Math+Reading+Science) ÷ 4

The 40-minute Optional Writing Test includes 1 essay prompt and is scored separately on a 2-12 scale. The score is reported alongside the ACT but not included in the 1-36 composite.

Fee waivers are available for those who qualify. Please see your counselor or visit www.act.org for more information.

ADVANCED ACADEMICS

Advanced Placement (AP) Program

Students may enroll in Advanced Placement (AP) courses in any subject in which they are offered. However, students should be aware that AP curriculum is designed to be more advanced and rigorous, requiring deeper levels of academic engagement. AP courses help students develop the complex thinking skills needed for success in college-level coursework. Students will be expected to apply increasingly sophisticated thinking, reading, writing, listening, and speaking skills.

Considerations for AP Coursework

Students considering enrollment in AP courses should demonstrate.

- The ability to prioritize time and interests
- A positive attitude toward challenging coursework
- A strong work ethic
- Independent study habits

AP Exams

As college-level courses, AP courses prepare students for the AP exams administered by the College Board each spring semester. Students enrolled in AP courses are strongly encouraged to take the corresponding AP exam. Each college or university determines its own criteria for awarding credit or advanced placement based on AP exam scores. Students and families should consult their university of choice for specific credit policies.

Course Level Changes

Course level changes from AP or Honors courses may be considered at the first progress report and at the end of the first nine-week grading period, if an equivalent course level is available.

Note: Some AP courses (e.g., AP Physics) do not have an equivalent regular-level course. In such cases, if a student wishes to exit the AP course, online original credit options may be considered, pending administrative approval and course availability.

DUAL CREDIT

Dual credit is a program that allows high school students to enroll in college courses and receive both college and high school credit simultaneously.

For approved dual credit courses taken during regular school hours, students are required to pay a nonrefundable fee of $50 per academic year, unless enrolled in an Early College or PTECH campus, regardless of the number of dual credit courses taken. GCCISD covers the remaining tuition, fees, and textbook costs for these courses.

Enrollment Process and Eligibility

To participate in dual credit, students must complete several steps in the enrollment process, including:

- Meeting with their high school grade-level counselor
- Obtaining written approval from both the counselor and the parent/guardian.
- Completing the GCCISD Dual Credit Registration Form, including all required signatures. This form must be submitted before enrolling in the college course for high school credit to be awarded.

This process applies to all dual credit courses, including those taken during the summer or outside of regular school hours.

Withdrawing from a Course

Before withdrawing from a dual credit course that is taken during regular school hours, students are required to meet with their high school counselor to determine if space is available in a comparable high school course. Please note that there may be restrictions or consequences for withdrawing from a college course. Students are encouraged to consult the college's dual credit office for details regarding withdrawal policies and academic implications.

Grade Conversion Charts

Due to the increased academic rigor of college-level coursework taken through the dual credit program, GCCISD uses the following grade conversion chart when assigning high school grades for dual credit courses.

College Grading Scale		GCCISD Conversion Scale	
A	90-100	Grade Earned	
B	80-89	Grade Earned	
C	75-79	Grade Earned	
C	70-74	Grade Earned	
D	60-69	C	74
F	59 and Below	D	70

Important Information for Students and Parents

- Academic Eligibility: Students must meet all academic requirements, including placement testing (e.g., TSIA2), and submit all necessary college and GCCISD documentation by the established deadlines.
- FERPA Compliance: College grades and records are protected under the Family Educational Rights and Privacy Act (FERPA). These records are only accessible to the student unless a FERPA release form is completed through the college.
- Technology Requirements: Students must access and use the college's online learning platforms and student information systems. It is the student's responsibility to become familiar with these systems.
- Grading and Transcripts:
    - Nine-week report card grades are not issued for dual credit courses.
    - A letter grade will be recorded on the student's college transcript. A numeric grade will be recorded on the student's high school transcript.
- Cost Responsibility:
    - For courses taken during the school day, tuition and textbook costs are covered the first time a course is taken. If a course is dropped or not passed, the student is responsible for covering the cost of tuition, fees, and textbooks to retake it.
    - For courses taken outside regular school hours (e.g., evenings or summer), the parent/student is responsible for all tuition, fees, and textbook costs.
- Academic Standing: Courses taken outside the school day do not count toward a student's class rank.
- Course Content: Some college courses may include material intended for adult audiences.
- Attendance: Dual credit students must follow the college academic calendar. Students are responsible for attending class and submitting assignments, even if the college is in session while GCCISD is not.
- Students with Disabilities: Students seeking accommodations must contact the college's access center and complete the appropriate paperwork. This is the student's responsibility, as college accommodations are handled separately from high school services. Accommodations provided in high school do not automatically transfer to college courses.

Instructor Qualifications

Dual credit courses may be taught by GCCISD teachers who serve as adjunct professors for the partnering college or by college professors who are not employed by GCCISD.

OnRamps

GCCISD is proud to partner with the University of Texas (UT) to offer OnRamps. These courses allow students to simultaneously enroll in a high school course taught by a high school instructor on campus and a college course delivered online by a faculty member or college instructor of record.

Considerations for Success on OnRamps Courses

To be successful in an OnRamps course, students should:

- Ability to effectively manage time and prioritize tasks
- A positive attitude toward rigorous coursework
- A strong work ethic and independent study habits

As dual enrollment courses, OnRamps courses offer students the opportunity to earn both high school and college credit. Students receive separate grades for the course's high school and college components of the course. Upon completing the college course, students may accept or decline the college credit based on their academic and career goals.

If a student successfully earns and accepts college credit, the grade will be recorded on their official university transcript. A letter grade of D- or higher is considered passing at the university level. While a letter grade of D or D- earns credit at the University of Texas, it will not transfer to other universities. For courses with a Core Curriculum designation, OnRamps credits earned with a letter grade of C- or better are guaranteed by Texas law to transfer to any public institution of higher education within the state.

ACADEMIC COURSE DESCRIPTIONS

This section of the planning guide provides descriptions of all courses offered to students in grades 9-12 in Goose Creek CISD. Courses are organized by content areas and include details regarding course content, co-requisite courses, prerequisite courses, and credit information. Unless otherwise noted within a specific course description, credit is awarded or denied at the conclusion of each semester.

Language Arts

English 1 (1 credit)

English I provides readers and writers with daily opportunities to refine their written and oral communication skills through the study and application of reading, writing, and inquiry performance tasks. Students practice a variety of writing tasks in a variety of genres. Students plan, draft, and craft complete written compositions on a regular basis. Writers edit and revise papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Writers are also expected to publish to audiences within and beyond the classroom. Students read extensively in multiple genres – analyzing the works and interpreting the possible influences of historical and cultural context. Students read texts in both digital and traditional formats from diverse authors as they practice 21st-century literacy skills. The higher-level critical thinking skills of analysis, evaluation, and synthesis are also practiced in authentic reading and writing contexts.
Prerequisite: None

English I for Speakers of Other Languages (ESOL I) (1 credit)

ESOL I (English for Speakers of Other Languages) Academic support offers EB/EL students supplemental instruction in listening, speaking, reading, writing, and comprehending English, with a focus on the TEKS in English I using strategies and methodologies appropriate for Emergent Bilingual students. Students develop competence in English, preparing them to be successful in all academic subjects.
Prerequisite: Language Proficiency Assessment Committee (LPAC) Approval
Co-requisite: English Language Development & Acquisition I (ELDA I)

English Language Development & Acquisition I (ELDA I) (1 credit)

ELDA I supports beginning English learners in developing foundational skills in listening, speaking, reading, and writing in English. Instruction focuses on building basic vocabulary, language structures, and comprehension through meaningful, grade-appropriate content. Students engage in structured opportunities to practice academic language and develop confidence in communication, while receiving targeted support to progress toward English proficiency.
Prerequisite: Language Proficiency Assessment Committee (LPAC) Approval
Co-requisite: English I for Speakers of Other Languages (ESOL I)

Honors English 1 (1 credit)

Honors English I offers daily opportunities for students to refine their reading, writing, and communication skills through performance tasks and inquiry-based learning. Students regularly plan, draft, revise, and publish writing across multiple genres, focusing on clarity, engaging language, and correct conventions. They read extensively in both digital and traditional formats, analyzing texts within historical and cultural contexts. The course emphasizes critical thinking skills such as analysis, evaluation, and synthesis, and prepares students for Advanced Placement English and other advanced coursework.
Prerequisite: None

Practical Writing Skills IA (1 elective credit)

This course develops skills in the conventions and mechanics of written English, the effective application of English grammar, reading comprehension of informational text, and the effective use of vocabulary. Students will explore the recursive nature of reading and writing and enhance writing skills through the evaluation of their own writing as well as the writing of others.
Prerequisite: None

Practical Writing Skills IB (1 elective credit)

A direct study of significant masterpieces of English literature from the earliest times to the Romantic Period, with particular attention to the main currents of thought and the major writers of Britain. This course is reading-intensive.
Prerequisite: None

Reading I (1 credit)

Reading I offers students reading instruction with an emphasis on specific word recognition, vocabulary, comprehension strategies, and fluency. Students read for a variety of purposes with multiple sources and use effective strategies to ensure comprehension while drawing complex inferences that are supported by both prior knowledge and textual information. In addition, students will use in-class readings as models, incorporating elements of craft and style into their own compositions.
Prerequisite: None

English II (1 credit)

English II continues to build proficiency and refine students' written and oral communication skills, building on the reading, writing, and inquiry skills they developed in English I. Students practice a variety of writing tasks in a variety of genres. Students plan, draft, and craft complete written compositions on a regular basis. Writers edit and revise papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Writers are also expected to publish to audiences within and beyond the classroom. Students read extensively in multiple genres – analyzing the works and interpreting the possible influences of historical and cultural context. Students read texts in both digital and traditional formats from diverse authors as they practice 21st-century literacy skills. The higher-level critical thinking skills of analysis, evaluation, and synthesis are also practiced in authentic reading and writing contexts.
Prerequisite: English I

English II for Speakers of Other Languages (ESOL II) (1 credit)

ESOL (English for Speakers of Other Languages) Academic support offers EB/EL students supplemental instruction in listening, speaking, reading, writing, and comprehending English, with a focus on the TEKS in English II using strategies and methodologies appropriate for Emergent Bilingual students. Students develop competence in English, preparing them to be successful in all academic subjects.
Prerequisite: Language Proficiency Assessment Committee (LPAC) Approval
Co-requisite: English Language Development & Acquisition II (ELDA II) 08255

Honors English II (1 credit)

Honors English II continues to build proficiency and refine students' written and oral communication skills, building on the reading, writing, and inquiry skills they developed in English I. Students practice a variety of writing tasks in a variety of genres. Students plan, draft, and craft complete written compositions on a regular basis. Writers edit and revise papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Writers are also expected to publish to audiences within and beyond the classroom. Students read extensively in multiple genres – analyzing the works and interpreting the possible influences of historical and cultural context. Students read texts in both digital and traditional formats from diverse authors as they practice 21st-century literacy skills. The higher-level critical thinking skills of analysis, evaluation, and synthesis are also practiced in authentic reading and writing contexts. The Honors course covers the curriculum for English II while integrating strategies and practices designed to prepare students for work in Advanced Placement English and other accelerated courses.
Prerequisite: English I

Creative Writing (1 elective credit)

This course builds creative writing skills while reinforcing key TEKS in reading and writing. Students practice storytelling, poetry, and personal narrative alongside targeted instruction in grammar, critical reading, and academic writing.
Prerequisite: English I

Reading II (1 credit)

Reading II offers students reading instruction with an emphasis on specific word recognition, vocabulary, comprehension, and fluency. Students read for a variety of purposes with multiple sources and use effective strategies to ensure comprehension while drawing complex inferences that are supported with both prior knowledge and textual information. In addition, students will use in-class readings as models, incorporating elements of craft and style into their own compositions.
Prerequisite: None

English III (1 credit)

English III continues to further increase and refine students' written and oral communication skills, building on the reading, writing, and inquiry skills they developed in English II. Students practice a variety of writing tasks in a variety of genres. Students plan, draft, and craft complete written compositions on a regular basis. Writers edit and revise papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Writers are also expected to publish to audiences within and beyond the classroom. Students read extensively in multiple genres – analyzing the works and interpreting the possible influences of historical and cultural context. Students read texts in both digital and traditional formats from diverse authors as they practice 21st-century literacy skills. The higher-level critical thinking skills of analysis, evaluation, and synthesis are also practiced in authentic reading and writing contexts.
Prerequisite: English II

AP English III - Language and Composition (1 credit)

Designed as a college-level course, the AP Language and Composition (English III) course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods. Since time constraints demand extensive independent reading, students should be aware of the challenging commitment required. At the conclusion of the course, students will take the course-specific College Board Advanced Placement Exam.
Prerequisite: English II

Dual Credit English - English Composition I (0.5 credit) - ENGL 1301

Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. This course is reading and writing-intensive.
Prerequisite: English II; Meet Dual Credit Requirements - See College Course Catalog

Dual Credit English - English Composition II (0.5 credit) - ENGL 1302

Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including: primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions. This course is reading and writing-intensive.
Prerequisite: English II; Meet Dual Credit Requirements - See College Course Catalog

Reading III (1 credit)

Reading III offers students reading instruction with an emphasis on specific word recognition, vocabulary, comprehension, and fluency. Students read for a variety of purposes with multiple sources and use effective strategies to ensure comprehension while drawing complex inferences that are supported by both prior knowledge and textual information. In addition, students will use in-class readings as models, incorporating elements of craft and style into their own compositions.
Prerequisite: None

College Prep English (1 credit)

This course is for 12th-grade students who have not met the college-readiness standards on an EOC assessment, college entrance exam, or TSIA2. Students will learn to investigate academic texts, construct supported interpretations and arguments for an authentic audience, and acquire academic habits of thought. Reading instruction will focus on developing critical reading skills for comprehension, interpretation, and analysis. In writing, students will develop skills through composing with a specific purpose, situation, genre, and audience in mind. Students will write a variety of effective formal and informal texts. The goal of this course is to develop students as critical readers, thinkers, and purposeful writers prepared for college success in introductory courses across disciplines.
Prerequisite: English III

English IV (1 credit)

English IV prepares students for college and career-level reading and writing by developing critical thinking, reading, and writing skills. Students learn to move beyond surface-level interpretations, explore ideas in depth, and produce polished texts for real audiences. They read diverse literary and informational texts in both digital and traditional formats while practicing 21st-century literacy skills. The course emphasizes writing as a process and offers multiple opportunities for authentic reading and writing tasks.

AP English IV - English Literature and Composition - (1 credit)

Designed as a college-level course, the AP English Literature and Composition (English IV) course focuses on the development and refinement of evidence-based analytical and argumentative writing. Students engage in close reading of complex literary texts, examining how authors use rhetorical and literary elements to convey meaning and shape interpretation. Students analyze works from a variety of genres, time periods, and cultural contexts, and they compose well-supported arguments that incorporate evaluation, synthesis, and proper citation of sources. Emphasis is placed on the writing process, including drafting, revising, and making purposeful rhetorical choices. Due to the rigor of the course, students should be prepared for extensive independent reading and a sustained commitment to high-level academic work. At the conclusion of the course, students will take the course-specific College Board Advanced Placement Exam.
Prerequisite: recommended English III

Reading IV (1 credit)

Reading IV provides targeted reading instruction with an emphasis on advanced word recognition, academic vocabulary development, comprehension, and fluency. Students engage with a variety of complex texts for multiple purposes, applying effective strategies to deepen understanding and analyze meaning. Instruction focuses on drawing sophisticated inferences supported by both prior knowledge and textual evidence. In addition, students use mentor texts to examine elements of the author's craft and style, applying these techniques to strengthen their own written responses. The course is designed to support continued growth in reading proficiency and critical thinking skills necessary for postsecondary success.
Prerequisite: None

AP Research - (1 credit)

Designed as a college-level course, the AP Research is an advanced, inquiry-based course that builds on the skills developed in AP Seminar, emphasizing independent research and scholarly investigation. In alignment with College Board expectations, students design, plan, and conduct a research project on a topic of their choice. They develop a focused research question, apply appropriate research methodologies, and gather, analyze, and synthesize information from credible sources. Students evaluate the significance and limitations of their findings and present their research through a formal academic paper and an oral defense. The course requires students to demonstrate critical thinking, problem-solving, and academic integrity while engaging in rigorous analysis and reflection throughout the research process. Due to the depth and independence required, students should be prepared for a sustained commitment to self-directed learning and high-level academic work.
Prerequisites: AP Seminar

Dual Credit Public Speaking - Principles of Public Speaking (0.5 credit) - SPCH 1315

This course includes preparation and delivery of various types of speeches with emphasis upon such fundamental principles as self-confidence, poise, directness, posture, stress, voice, and articulation. Speech types considered include announcements, informative, persuasive, after-dinner, and radio speeches. *This one-semester course does not count toward a fourth English credit.
Prerequisite: Meet Dual Credit Requirements - See College Course Catalog

Dual Credit Business and Professional Communication (0.5 credit) - SPCH 1321

Study and application of communication within the business and professional context. Special emphasis will be given to communication competencies in presentations, dyads, teams and technologically mediated formats.
Prerequisite: Meet Dual Credit Requirements - See College Course Catalog

Mathematics

Algebra I (1 credit)

In Algebra I, students will build on the knowledge and skills of 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.
Prerequisite: Grade 8 Math

Honors Algebra I (1 credit)

Honors Algebra I includes all the topics as defined in Algebra I but requires higher levels of understanding. 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. In Honors mathematics, students experience instructional practices and routines that help them develop the important critical thinking skills needed to succeed in Advanced Placement courses.
Prerequisite: Grade 8 Math

Strategic Learning for High School Mathematics (1 elective credit)

This course is intended to create strategic mathematical learners from underprepared mathematics students. The basic understanding will stimulate students to think about their approach to mathematical learning. These basic understandings will include identifying errors in the teaching and learning process, input errors, physiological concerns, and key cognitive skills. The essential knowledge and skills will foster a deeper understanding of the task of learning mathematical concepts.
Prerequisite: Algebra I

Geometry (1 credit)

In Geometry, students build on skills to strengthen reasoning in geometric contexts. They will use precise terminology, symbolic representations, and develop proofs. Key topics include coordinate and transformational geometry, logical arguments and constructions, proof and congruence, similarity and trigonometry, two- and three-dimensional figures, circles, and probability. Students connect Algebra I concepts through coordinate geometry, create formal constructions with a straightedge and compass, and learn about non-Euclidean geometry. They will use deductive reasoning for proofs, presented in paragraph, flowchart, or two-column formats. Proportionality ties together similarity, proof, and trigonometry. Students apply formulas and theorems to solve multi-step problems and analyze properties of circles. Probability standards are included to align with college and career readiness goals.
Prerequisite: None

Honors Geometry (1 credit)

Honors Geometry expands on Geometry by requiring a deeper understanding, advanced reasoning, and stronger critical thinking skills. Students refine their use of precise terminology, symbolic representations, and formal proofs. They study coordinate and transformational geometry, logical arguments and constructions, proof and congruence, similarity and trigonometry, two- and three-dimensional figures, circles, and probability. Students connect concepts from Algebra I, perform straightedge and compass constructions, and gain an introduction to non-Euclidean geometry. The course emphasizes deductive reasoning and multi-step problem solving, preparing students for the demands of Advanced Placement coursework.
Prerequisite: None; Algebra I recommended

Algebraic Reasoning (1 credit)

In Algebraic Reasoning, students build on K–8 math and Algebra I skills, deepening their understanding of algebraic concepts in preparation for future math courses. They expand their knowledge of functions, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. The course focuses on analysis, pattern exploration, algebraic methods, and modeling with real-world data using tools like probes, measurement instruments, and software. This course counts as a 3rd math credit.
Prerequisite: Algebra I

Math Models/APPL (1 credit)

Mathematical Models with Applications is designed to build on the knowledge and skills for mathematics in K-8 and Algebra I. This mathematics course provides a path for students to succeed in Algebra II and prepares them for post-secondary choices. Students learn to apply mathematics through experiences in personal finance, science, engineering, fine arts, and social sciences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, model information, solve problems, and communicate solutions. Students will select from tools such as physical objects, manipulatives, technology, including graphing calculators, data collection devices, and computers; and paper and pencil, and from methods such as algebraic techniques, geometric reasoning, patterns, and mental math to solve problems. NOT An Approved NCAA Course. This course qualifies for a 3rd math course credit only.

Prerequisite: Algebra I

Financial Math (1 credit)

Financial Mathematics is a practical, application-based course designed to help students build financial literacy and mathematical reasoning for real-world decision making. Students will explore topics such as personal budgeting, banking services, credit and debt management, car and home ownership, taxes, insurance, investments, retirement planning, and consumer decision-making. Emphasis is placed on applying mathematical concepts—including algebra, probability, and statistics—to analyze financial situations and make informed choices. This course qualifies for a 3rd math course credit only.
Prerequisite: Algebra I

Algebra II (1 credit)

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.
Prerequisite: Algebra I

Honors Algebra II (1 credit)

Honors Algebra II covers all Algebra II topics but requires higher-level thinking skills. Students build on K–8 math and Algebra I, expanding their knowledge of quadratic, exponential, logarithmic, square root, cubic, cube root, absolute value, and rational functions. They connect functions to their inverses and solve related real-world problems. Students also deepen their understanding of systems of equations, data analysis, and algebraic methods. Honors coursework emphasizes critical thinking skills to prepare students for Advanced Placement success.
Prerequisite: Algebra I

Dual Credit Algebra - College Algebra (1 credit) - MATH 1314

College Algebra covers the study of quadratics, polynomials, rational, logarithmic, and exponential functions; systems of equations; progressions; sequences and series; and matrices and determinants. This course is recommended for students interested in STEM majors.
Prerequisite: Meet Dual Credit Requirements - See College Course Catalog

College Prep Math (1 credit)

This course is for 12th-grade students who have not met the college-readiness standards on an EOC assessment, college entrance exam, or TSIA2. The course focuses on reinforcing key concepts from Algebra I, Geometry, and Algebra II, with an emphasis on problem solving, mathematical reasoning, and application of skills in real-world contexts. Students develop fluency in algebraic thinking, data analysis, and quantitative reasoning to support success on college readiness assessments and in postsecondary mathematics courses. NOT An Approved NCAA Course. This course qualifies for a 4th math credit only if Algebra II was taken.
Prerequisite: Geometry, 3rd math credit

Precalculus (1 credit)

Precalculus is the preparation for calculus. The course approaches topics from a functional point of view 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 mathematical ideas, develop strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems. This course qualifies for a 4th math credit.
Prerequisite: Geometry, Algebra II

Dual Credit Precalculus (1 credit) - MATH 2412

Dual Credit Precalculus is a rigorous course that prepares students for calculus by extending their understanding of algebraic and trigonometric concepts. Students study functions, including polynomial, rational, exponential, logarithmic, and trigonometric functions, with an emphasis on analysis, problem solving, and real-world applications. As a dual credit course, students earn both high school and college credit while developing the mathematical skills and independence necessary for success in advanced mathematics.
Prerequisite: MATH 1314 or equivalent; Meet Dual Credit Requirements - See College Course Catalog

Dual Credit Finite Math (1 credit) - MATH 1324

Mathematics for Business and Social Sciences covers such topics as applications of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value. A computer component may be included.
Prerequisite: Meet Dual Credit Requirements - See College Course Catalog

Dual Credit Contemporary Mathematics (1 credit) - MATH 1332

This course assists students in becoming familiar with certain mathematical topics: sets, logic, different numeration systems, number theory, the real numbers and their properties, mathematical systems, equations, inequalities, graphs, and functions. Note: Students interested in studying Human Sciences and Humanities may take this course instead of college algebra.
Prerequisite: Meet Dual Credit Requirements - See College Course Catalog

Dual Credit Elementary Statistics (1 credit) - MATH 1342

Students will collect, analyze, present, and interpret data and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals, and hypothesis testing. Use of appropriate technology is recommended.
Prerequisite: Meet Dual Credit Requirements - See College Course Catalog

Dual Credit Technical Algebra (1 credit) - TECM 1341

In Technical Algebra, students will learn about applications of linear equations, simultaneous equations, and quadratic equations relevant to technical occupations. NOT An Approved NCAA Course.
Prerequisite: Algebra I, Geometry; Meet Dual Credit Requirements - See College Course Catalog

Dual Credit Technical Math Apps (1 credit) - TECM 1349

In this course, the fundamentals of trigonometry and geometry are used in a variety of technical settings. Topics include the use of plane and solid geometry to solve areas and volumes encountered in industry. NOT An Approved NCAA Course.
Prerequisite: Algebra I, Geometry; Meet Dual Credit Requirements - See College Course Catalog

AP Precalculus (1 credit)

AP Precalculus is a college-level course designed to prepare students for success in calculus and other advanced mathematics courses. The course focuses on the study of functions and their applications, including polynomial, rational, exponential, logarithmic, and trigonometric functions. Students explore modeling, analysis, and transformations of functions in both real-world and mathematical contexts. Through rigorous content and mathematical practices, students build strong problem-solving skills and deepen their understanding of key concepts foundational to calculus. This course is ideal for students planning to pursue STEM majors in college.
Prerequisite: None - Geometry, Algebra II recommended

AP Calculus AB (1 credit)

AP Calculus AB is a college-level course designed to be the equivalent of a first-semester college calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally, and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. AP Calculus AB includes strategies for taking the Calculus AB College Board Advanced Placement Exam, for which many colleges grant advanced placement and credit. Graphing calculators will be used extensively and are required for portions of the AP College Board Exam.
Prerequisite: None- Precalculus recommended

AP Calculus BC (1 credit)

AP Calculus BC is a college-level mathematics course that extends the content learned in AP Calculus AB and is equivalent to two semesters of college calculus. Topics include limits, derivatives, definite and indefinite integrals, the Fundamental Theorem of Calculus, and series, as well as advanced applications of integration, parametric, polar, and vector functions. AP Calculus BC includes strategies for taking the Calculus BC College Board Advanced Placement Exam, for which many colleges grant advanced placement and credit. Graphing calculators will be used extensively and are required for portions of the AP College Board Exam.
Prerequisite: None - Precalculus recommended

AP Statistics (1 credit)

AP Statistics introduces students to collecting, analyzing, and drawing conclusions from data through key concepts like data exploration, study design, probability, and inference. The course includes technology, projects, and collaborative problem-solving, and prepares students for the AP Exam and college readiness.
Prerequisite: None - Geometry, Algebra II recommended

OnRamps Statistics (1 credit) - MATH 1342

OnRamps Statistics will target conceptual understanding and hone highly relevant mathematical skills through a scaffolded introduction to statistical methodologies, informal game play, and strategic lab exercises that engage students in hands-on analysis of real data. Valuable programming and coding skills are acquired to conduct these analyses, giving students a solid foundation in data science. Team-based problem solving is highly valued, and assessments will guide students through self-reflective analyses of their own preparedness and depth of understanding.
Prerequisite: None - Algebra I, Geometry; Algebra II preferred

Science

Biology (1 credit)

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.
Prerequisite: None

Honors Biology (1 credit)

Honors Biology is an enriched and expanded course in which the course content of Biology has additional strategies added. Students enrolled in this course must meet the entrance requirements specified by the district. The course will include specific criteria and materials intended to prepare students for success in College Board Advanced Placement courses.
Prerequisite: None

AP Biology (1 credit)

AP Biology is a college-level course that explores the fundamental principles of life, including cellular processes, genetics, evolution, and ecological systems. Students engage in hands-on investigations, data analysis, and scientific argumentation to develop a deep understanding of biological concepts and real-world applications. The course prepares students for the AP Exam and further study in the life sciences.
Prerequisite: None

Integrated Physics and Chemistry (IPC) (1 credit)

In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: motion, waves, energy transformations, properties of matter, changes in matter, and solution chemistry.
Prerequisite: None

Environmental Systems (1 credit)

This is a conceptual course that fulfills a general science credit. Concepts include biotic and abiotic factors in habitats, ecosystems, and biomes, interrelationships among resources and systems, sources and flow of energy, relationships between carrying capacity and changes in populations and ecosystems, natural changes in the environment, and human activities that impact the environment. The lab component engages students in both guided and open inquiry investigations of concepts and is designed to instill foundational scientific reasoning, data collection, and analytical skills.
Prerequisite: recommended as a 3rd science

Specialized Topics in Science (1 credit)

In Specialized Topics in Science, students conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students in this course will have the opportunity to study scientific topics in greater detail and with a deeper understanding. Students must have completed one high school science credit prior to taking this course.
Prerequisite: None

Astronomy (1 credit)

In Astronomy, students conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem-solving. Students study the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Students who complete Astronomy will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical-thinking skills. Students must have completed one high school science credit before taking this course.
Prerequisite: None, recommended as a 2nd science

Aquatic Science (1 credit)

In Aquatic Science, students study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Investigations and field work in this course will emphasize both freshwater and marine aspects of aquatic science. Students who complete Aquatic Science will acquire knowledge about a variety of aquatic systems, conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical-thinking and problem-solving skills. It is suggested that the student has completed or is concurrently enrolled in Chemistry.
Prerequisite: None, recommended as a 2nd science

Chemistry (1 credit)

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.
Prerequisite: None

Honors Chemistry (1 credit)

The essential elements and course content of chemistry are expanded and enriched. Instructional strategies facilitate the development of higher-level critical thinking skills and provide opportunities for independent and guided research. It is suggested that the student has completed or is concurrently enrolled in Algebra II.
Prerequisite: None

OnRamps Chemistry (1 credit) - CHEM 1401

Principles of Chemistry I address the nature of matter, energy, chemical reactions, and chemical thermodynamics. The course begins with a review of descriptive chemistry of matter in the natural world as well as compositional and reaction stoichiometry of chemical compounds. Throughout the course, students learn to think like scientists by exploring the underlying theoretical foundations of chemistry, making intuitive arguments for how the world works, and supporting those arguments with quantitative measures.
Prerequisite: None

AP Environmental Science (1 credit)

AP Environmental Science is an introductory college-level science course. Students cultivate their understanding of the interrelationships of the natural world through inquiry-based lab investigations and field work as they explore concepts like the four Big Ideas: energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability.
Prerequisite: None

Anatomy & Physiology (1 credit)

Anatomy and Physiology study the human body from two aspects. First, students will learn proper anatomical terminology and location of body parts. Second, students will study the function of each system from the cellular level through tissues and the organs involved. During this course of study, students will use microscopes, dissecting tools and basic chemistry to study the workings of the organs, tissues and cells of the human body. This course is a great college prep class for any student interested in furthering their education in the field of medicine.
Prerequisite: Biology, 2nd Science; an Endorsement/Career Cluster of Public Services or STEM/Health Science

Dual Credit Environmental Science I (1 credit) - ENVR 1401

The goal of the Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. The student will also study the diversity of life and the evidence for evolution through natural selection. Students must complete an individual project with a high school mentor and present their findings to a panel of professionals to earn high school credit.
Prerequisite: Meet Dual Credit Requirements - See College Course Catalog

Dual Credit Environmental Science II (1 credit) - ENVR 1402

The goal of the Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. The student will also study the diversity of life and the evidence for evolution through natural selection. Students must complete an individual project with a high school mentor and present their findings to a panel of professionals to earn high school credit.
Prerequisite: ENVR 1401; Meet Dual Credit Requirements - See College Course Catalog

Forensic Science (1 credit)

Forensic Science introduces students to the principles and practices used in criminal investigations. Students develop an understanding of forensic terminology and crime scene procedures while learning to collect, preserve, and analyze evidence. Areas of study include fingerprinting, ballistics, blood spatter analysis, toxicology, and impression evidence such as tire tracks. Through hands-on experiences and simulated investigations, students apply scientific methods to real-world scenarios, making this course ideal for those interested in law enforcement and forensic careers.
Prerequisite: Biology, Chemistry

Physics (1 credit)

In Physics, students conduct lab and field investigations, apply scientific practices, and develop critical thinking and problem-solving skills. Topics include laws of motion, energy and momentum conservation, forces, thermodynamics, waves, and atomic, nuclear, and quantum physics. Students gain conceptual knowledge, practice experimental design, and collaborate effectively.
Prerequisite: Algebra I (math)

Honors Physics (1 credit)

This course prepares students for AP Physics in their senior year, with a strong focus on problem-solving and foundational physics concepts. Topics include vectors, projectile motion, momentum, energy conservation, rotation, gravitation, electricity, magnetism, and nuclear physics. It is recommended for students planning to major in physical sciences or engineering and who have completed or are enrolled in Pre-Calculus.
Prerequisite: Algebra I (math)

OnRamps Physics (1 credit) - PHYS 1301

An algebra-based (non-calculus) course in mechanics that fulfills a general physics requirement. Concepts include mechanics, Heat, and Sound introduces big ideas in physics, such as Newtonian mechanics (including motion, force, energy, and rotation), as well as solid, fluids, oscillations, waves, sound, and heat. The lab component engages students in both guided and open inquiry investigations of physical principles, and is designed to instill foundational scientific reasoning, data collection, and analytical skills. This course lays the conceptual groundwork for STEM majors.
Prerequisite: None - Algebra I (math), Geometry (math); Algebra II recommended

Dual Credit Physics I - Mechanics & Heat (1 credit) - CHEM 1411

Study of principles and applications of concepts in mechanics, energy, heat, wave motion, and sound. Students must complete an individual project with a high school mentor and present their findings to a panel of professionals to earn high school credit.
Prerequisite: Algebra II (math), Biology, Chemistry/IPC/Physics; Meet Dual Credit Requirements - See College Course Catalog

Engineering Design & Problem Solving (1 credit)

The course focuses on the fundamentals of modern engineering and technology. Students will apply math, science and technology to engineering problems as well as develop computer skills. The engineering examples utilized in this course are based on representations of analog signals digitally, audio and video digital signal processing, digital communication, networking and data encryption. Upon completion of the course, students will understand how engineers design and build new technologies using math, science and ingenuity. Students unfamiliar with engineering will be exposed to a variety of career opportunities in related fields.
Prerequisite: Algebra I and Algebra II (math), Geometry (math); Biology, Chemistry/IPC/Physics

Advanced Animal Science (1 credit)

Endorsement/Career Cluster: Business & Industry or STEM/Ag, Food, & Natural Resources, Advanced CTE Credit Students will develop and investigate the scientific and technological dimensions of scientific animal agriculture, genetics and reproduction, anatomy and physiology of various livestock species, nutritional requirements, and disease and parasites of livestock. This class is recommended for students with an interest in Veterinary Science.
Prerequisite: Algebra 1 (math), Geometry (math); Biology, Chemistry/IPC/Physics; If in Animal Science Program of Study: Equine Science/Livestock Production/Small Animal Mgmt

Dual Credit Physics II - Sound, Electricity, etc (1 credit) - CHEM 1402

Study of principles and applications of concepts in mechanics, energy, heat, wave motion, and sound. Students must complete an individual project with a high school mentor and present their findings to a panel of professionals to earn high school credit.
Prerequisite: Biology, Chemistry/IPC/Physics; Meet Dual Credit Requirements - See College Course Catalog

Dual Credit Biology I (1 credit) - BIOL 1406

The student will study and describe the characteristics of life, identify basic requirements of life, structures of microorganisms, enzymes, viruses, cell membranes, genetic problems, and the synthesis and regulation of nucleic acids and proteins. The student will also study the diversity of life and the evidence for evolution through natural selection. The student will also study the diversity of life and the evidence for evolution through natural selection. Students must complete an individual project with a high school mentor and present their findings to a panel of professionals to earn high school credit.
Prerequisite: Biology, Chemistry/IPC/Physics; Meet Dual Credit Requirements - See College Course Catalog

Dual Credit Biology II (1 credit) - BIOL 1407

The student will study modern evolutionary synthesis, natural selection, population genetics, micro and macroevolution, and speciation. This course will also cover phylogenetic relationships, classifications schemes, major phyla, physiology, and homeostasis maintained by organ systems, sexual and asexual life cycles, and geologic changes, extinctions, and evolutionary trends. Students must complete an individual project with a high school mentor and present their findings to a panel of professionals to earn high school credit.
Prerequisite: BIOL 1406; Meet Dual Credit Requirements - See College Course Catalog

Dual Credit Chemistry I (1 credit) - CHEM 1411

The study of fundamental concepts and laws underlying chemistry, including states of matter. Atomic structure, periodic table, chemical bonding, chemical reactions, solutions, gas laws, properties of solids and liquids, qualitative and quantitative analysis including instrumental methods.
Prerequisite: Algebra II (math), Biology, Chemistry/IPC/Physics; Meet Dual Credit Requirements - See College Course Catalog

Dual Credit Chemistry II (1 credit) - CHEM 1412

A continuation of CHEM 1411. Study of equilibrium, oxidation-reduction reactions, electrochemistry, chemical thermodynamics, chemical kinetics, solutions, solubility of salts, acids and bases, properties of elements in the qualitative analysis of common cations and anions, and quantitative analysis including instrumental methods.
Prerequisite: CHEM 1411; Meet Dual Credit Requirements - See College Course Catalog

Food Science (1 credit)

The study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. A $20.00 fee will be assessed.
Prerequisite: Biology, Chemistry, and a 3rd Science; If in Culinary Arts Program of Study: Intro to Culinary Arts

Social Studies

World Geography (1 credit)

World Geography is a course that examines the relationships between people, places, and environments across the globe. Students explore physical and human geography, including landforms, climate, culture, population, and economic systems. Through the study of regions and global issues, students analyze how geographic factors influence historical events, societal development, and contemporary challenges. Emphasis is placed on critical thinking, map and data analysis, and understanding the interconnectedness of the world.
Prerequisite: None

Honors World Geography (1 credit)

Honors World Geography is an advanced course that explores the relationships between people, places, and environments on a global scale with greater depth and rigor. Students examine physical and human geography, including landforms, climate, culture, population, and economic systems, while analyzing the impact of geographic factors on historical and contemporary issues. The course emphasizes critical thinking, data interpretation, and the evaluation of complex global patterns and challenges. Students engage in advanced reading, writing, and research tasks, applying geographic concepts to real-world scenarios and demonstrating a high level of independence and academic responsibility.
Prerequisite: None

AP Human Geography (1 credit)

AP Human Geography introduces students to the study of human populations, cultures, and spatial patterns across the globe. Students analyze how humans interact with their environment, develop economic and political systems, and shape cultural landscapes. Aligned to College Board expectations, the course emphasizes critical thinking, data analysis, and the application of geographic concepts to real-world issues while preparing students for the AP exam.
Prerequisite: None - Passing score on 8th Grade Social Studies STAAR is recommended

World History (1 credit)

World History examines the development of civilizations from ancient times to the present. Students explore major historical events, cultural developments, and global interactions that have shaped the modern world. The course emphasizes critical thinking, analysis of primary and secondary sources, and understanding connections between past and present.
Prerequisite: None

Honors World History (1 credit)

Honors World History provides an in-depth study of global history from ancient civilizations to the modern era, with an emphasis on analysis, interpretation, and evaluation of historical events and trends. Students engage in advanced reading, writing, and research, examining primary and secondary sources to understand complex global interactions. The course requires a high level of critical thinking, independence, and academic rigor.
Prerequisite: None

AP World History (1 credit)

AP World History: Modern examines global history from c. 1200 CE to the present, focusing on major developments, interactions, and processes that have shaped the modern world. Aligned to College Board expectations, students analyze primary and secondary sources, evaluate historical arguments, and develop evidence-based essays. The course emphasizes critical thinking, historical reasoning skills, and the ability to make connections across time periods and regions while preparing students for the AP exam.
Prerequisite: None, Passing score on 8th Grade Social Studies STAAR is recommended

AP European History (1 credit)

AP European History explores the political, social, economic, and cultural developments of Europe from the Renaissance to the present. Aligned to College Board expectations, students analyze primary and secondary sources, evaluate historical arguments, and develop evidence-based writing. The course emphasizes critical thinking, historical reasoning, and connections among major events and movements while preparing students for the AP exam.
Prerequisite: None

US History (1 credit)

This course is a required one-year study of United States history since Reconstruction. The students will receive instruction over significant events in the nation's history and the forces that have helped shape our political, social, and economic institutions.
Prerequisite: None

AP US History (1 credit)

AP United States History (APUSH) explores the political, social, economic, and cultural development of the United States from pre-Columbian times to the present. Aligned to College Board expectations, students analyze primary and secondary sources, evaluate historical arguments, and develop evidence-based writing. The course emphasizes critical thinking, historical reasoning, and connections across time periods while preparing students for the AP exam.
Prerequisite: None

Dual Credit US History A (0.5 credit) - US History A - HIST 1301

Dual Credit U.S. History (HIST 1301) surveys the history of the United States from its beginnings through Reconstruction. Students examine political, social, and economic developments while analyzing primary and secondary sources to understand historical events and perspectives. As a dual credit course, students earn both high school and college credit while developing critical thinking, reading, and writing skills aligned to college-level expectations.
Prerequisite: Meet Dual Credit Requirements - See College Course Catalog

Dual Credit US History B (0.5 credit) - US History B - HIST 1302

Dual Credit U.S. History (HIST 1302) surveys the history of the United States from Reconstruction to the present. Students examine major political, social, and economic developments while analyzing primary and secondary sources to interpret historical events and perspectives. As a dual credit course, students earn both high school and college credit while strengthening critical thinking, reading, and writing skills aligned to college-level expectations.
Prerequisite: Meet Dual Credit Requirements - See College Course Catalog

Special Topics in US History (1 credit)

This course is designed to develop student understanding about historical concepts, sources, and skills which include analyzing primary and secondary sources, recognizing cause-and-effect relationships, evaluating multiple perspectives, and historical reasoning. which will foster a deeper understanding of U.S. history and the analytical and reasoning skills required for mastery of the 11th-grade TEKS.
Prerequisite: US History

US Government (0.5 credit)

U.S. Government examines the structure and function of the federal, state, and local governments of the United States. Students explore the Constitution, political processes, civic responsibilities, and the rights and responsibilities of citizens. The course emphasizes critical thinking, analysis of current events, and understanding the role of individuals in a democratic society.
Prerequisite: None

Dual Credit US Government (0.5 credit) - GOVT 2305

Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights.
Prerequisite: Meet Dual Credit Requirements - See College Course Catalog

AP US Government and Politics (0.5 credit)

AP United States Government and Politics examines the structure, principles, and processes of the U.S. government and political system. Aligned to College Board expectations, students analyze foundational documents, Supreme Court decisions, and political behaviors while developing evidence-based arguments. The course emphasizes critical thinking, civic engagement, and preparation for the AP exam.
Prerequisite: None, Mastery of US History EOC is recommended

Personal Financial Literacy and Economics (0.5 credit)

Personal Financial Literacy and Economics is designed to support students in their general knowledge and practice of developing financial literacy as it applies to understanding the economic market systems.
Prerequisite: None

Economics (0.5 credit)

Economics introduces students to the principles of microeconomics and macroeconomics, including supply and demand, market structures, personal finance, and the role of government in the economy. Students analyze how economic decisions impact individuals, businesses, and society, with an emphasis on real-world application and financial literacy.
Prerequisite: None

Dual Credit Macroeconomics (0.5 credit) - ECON 2301

Macroeconomics is the study of basic economic concepts, measurement of economic performance, national income and price determination, and international economics and growth.
Prerequisite: Meet Dual Credit Requirements - See College Course Catalog

AP Macroeconomics (0.5 credit)

AP Macroeconomics focuses on the principles that apply to an economic system as a whole, including national income, inflation, unemployment, and fiscal and monetary policy. Aligned to College Board expectations, students analyze economic models and real-world data to understand global and national economic trends. The course emphasizes analytical thinking and preparation for the AP exam.
Prerequisite: None - Mastery of US History EOC is recommended

African American Studies (1 credit)

African American Studies explores the history, culture, and contributions of African Americans from early origins to the present. Students examine key events, influential figures, and social movements while analyzing the impact of African American experiences on the development of the United States. The course emphasizes critical thinking, analysis of diverse perspectives, and connections between past and present.
Prerequisite: None

History of Film - Special Topics in Social Studies (0.5 credit)

Students will be able to look at visual media and analyze the development of the techniques that would contribute to the development of the film industry. They will be able to understand how technology developed and influenced movie making and visual media.
Prerequisite: None

Sports History - Special Topics in Social Studies (0.5 credit)

This course is a comprehensive look at the history of Sports in America. The focus of the course is to review certain events, eras and unique individuals and teams that shaped the culture of America, The use of film and technology based assets will be used to discover the impact of sports on the history of the American psyche.
Prerequisite: None

Social Studies Research Methods (0.5 credit)

This course is a comprehensive practice of how to do effective research and the components of research. Students will spend the semester developing a research project tied to the National History Day theme and submit a final project.
Prerequisite: None

Mexican American Studies - Special Topics in Social Studies (1 credit)

Students will learn about the history and cultural contributions of Mexican Americans from an interdisciplinary perspective.
Prerequisite: None

Dual Credit Mexican American Studies (0.5 credit) - HUMA 1305

Introduction to the field of Mexican American/Chicano/a Studies from its inception to the present. Interdisciplinary survey designed to introduce students to the salient cultural, economic, educational, historical, political, and social aspects of the Mexican American/Chicano/a experience. This course is writing intensive.
Prerequisite: Meet Dual Credit Requirements - See College Course Catalog

Dual Credit Texas Government (0.5 credit) - GOVT 2306

Origin and development of the Texas constitution, structure and powers of state and local government, federalism, and intergovernmental relations, political participation, the election process, public policy, and the political culture of Texas. This is an elective course for students interested in government and does not substitute as the state mandated course for graduation.
Prerequisite: Meet Dual Credit Requirements - See College Course Catalog

Intro Psychology (0.5 credit)

This course is the study of basic principles in psychology. Students will be introduced to theories of human growth and development, personality, conflicts and adjustments, learning/cognitive processes, and social behavior.
Prerequisite: None

Dual Credit Intro Psychology (0.5 credit) - PSYC 2301

A survey of the fields of general psychology; the biological and psychological basis of human behavior, intelligence, motivation, emotion, learning, personality, memory, and psychopathology.
Prerequisite: Meet Dual Credit Requirements - See College Course Catalog

Dual Credit Intro to Sociology (0.5 credit) - SOCI 1301

The principles of social organization include the study of social groups, culture, social change, personality population, rural and urban communities, social class and caste systems, and social institutions such as the family, recreation and religion.
Prerequisite: Meet Dual Credit Requirements - See College Course Catalog

ATHLETICS

PE Boys (1 credit); PE Girls (1 credit)

Students in the physical education class will be participating in a variety of sports that can be pursued for a lifetime. Continued development of health-related fitness and the selection of individual sport activities that are enjoyable is a major objective of this course. A $3.00 laundry and usage fee will be assessed each semester.
Prerequisite: None

Boys Baseball I; Boys Baseball II; Boys Baseball III; Boys Baseball IV (0.5 credit)

These courses are designed to develop strength, agility, and endurance through sports. Squad number limitations in athletics and cheerleading may require students to tryout and earn a position on a team before scheduled in an athletic period. Incoming 9th grade students who do not have UIL physicals or parent's acknowledgement form turned into athletic trainer by August 1 will be placed in regular P.E. class prior to school starting.
Prerequisite: Coach's approval; prior participation in youth baseball league

Boys Basketball I; Boys Basketball II; Boys Basketball III; Boys Basketball IV (0.5 credit)

These courses are designed to develop strength, agility, and endurance through competition in a variety of sports. Squad number limitations in athletics and cheerleading may require students to tryout and earn a position on a team before being scheduled in an athletic period. Incoming 9th grade students who do not have UIL physicals or parent's acknowledgement form turned into athletic trainer by August 1 will be placed in regular P.E. class prior to school starting.
Prerequisite: Coach's approval; prior participation in youth basketballl league

Boys Cross Country I; Boys Cross Country II; Boys Cross Country III; Boys Cross Country IV (0.5 credit)

These courses are designed to develop strength, agility, and endurance through competition in a variety of sports. Squad number limitations in athletics and cheerleading may require students to tryout and earn a position on a team before being scheduled in an athletic period. Incoming 9th grade students who do not have UIL physicals or parent's acknowledgement form turned into athletic trainer by August 1 will be placed in regular P.E. class prior to school starting.
Prerequisite: Coach's approval

Boys Football I; Boys Football II; Boys Football III; Boys Football IV (0.5 credit)

These courses are designed to develop strength, agility, and endurance through competition in a variety of sports. Squad number limitations in athletics and cheerleading may require students to tryout and earn a position on a team before being scheduled in an athletic period. Incoming 9th grade students who do not have UIL physicals or parent's acknowledgement form turned into athletic trainer by August 1 will be placed in regular P.E. class prior to school starting.
Prerequisite: Coach's approval

Boys Golf I; Boys Golf II; Boys Golf III; Boys Golf IV (0.5 credit)

These courses are designed to develop strength, agility, and endurance through competition in a variety of sports. Squad number limitations in athletics and cheerleading may require students to tryout and earn a position on a team before being scheduled in an athletic period. Incoming 9th grade students who do not have UIL physicals or parent's acknowledgement form turned into athletic trainer by August 1 will be placed in regular P.E. class prior to school starting. Prior experience preferred and must provide own equipment.
Prerequisite: Coach's approval

Boys Soccer I; Boys Soccer II; Boys Soccer III; Boys Soccer IV (0.5 credit)

These courses are designed to develop strength, agility, and endurance through competition in a variety of sports. Squad number limitations in athletics and cheerleading may require students to tryout and earn a position on a team before being scheduled in an athletic period. Incoming 9th grade students who do not have UIL physicals or parent's acknowledgement form turned into athletic trainer by August 1 will be placed in regular P.E. class prior to school starting.
Prerequisite: Coach's approval; Prior participation in a soccer league

Boys Swimming I; Boys Swimming II; Boys Swimming III; Boys Swimming IV (0.5 credit

These courses are designed to develop strength, agility, and endurance through competition in a variety of sports. Squad number limitations in athletics and cheerleading may require students to tryout and earn a position on a team before being scheduled in an athletic period. Incoming 9th grade students who do not have UIL physicals or parent's acknowledgement form turned in to athletic trainer by August 1 will be placed in regular P.E. class prior to school starting.
Prerequisite: Coach's approval

Boys Track I; Boys Track II; Boys Track III; Boys Track IV (0.5 credit)

These courses are designed to develop strength, agility, and endurance through competition in a variety of sports. Squad number limitations in athletics and cheerleading may require students to tryout and earn a position on a team before being scheduled in an athletic period. Incoming 9th grade students who do not have UIL physicals or parent's acknowledgement form turned in to athletic trainer by August 1 will be placed in regular P.E. class prior to school starting.
Prerequisite: Coach's approval

Cheerleading - Junior Varsity (1 credit); Cheerleading - Varsity (1 credit)

These courses are designed to develop strength, agility, and endurance through competition in a variety of sports. Squad number limitations in athletics and cheerleading may require students to tryout and earn a position on a team before being scheduled in an athletic period. Incoming 9th grade students who do not have UIL physicals or parent's acknowledgement form turned into athletic trainer by August 1 will be placed in regular P.E. class prior to school starting.
Prerequisite: Tryouts Required

Color Guard I (0.5 credit); Color Guard II (0.5 credit); Color Guard III (0.5 credit); Color Guard IV (0.5 credit)

The high school color guard is an auxiliary unit of the marching band consisting of flags and rifles. Emphasis is placed on physical conditioning, equipment handling and care, musical choreography and dance, creative self-expression through movement, the refinement of motor skills, and citizenship through group endeavors. During football season the color guard rehearses daily after school with the marching band and performs at all varsity football games and selected marching contests. Attendance at all rehearsals and performances is required. Students may be required to furnish their performance uniform (hat excluded) and footwear. The student will earn 0.5 PE substitution credit (fall semester) and 0.5 local credit (spring semester) Students are reminded that a maximum of 1 credit for P.E., approved P.E. substitute, or P.E. waiver may count toward graduation.
Prerequisite: Coach's approval

Drill I; Drill II; Drill III; Drill IV (0.5 credit)

This course prepares dance students for rehearsals and public performances as members of the campus extra-curricular drill team. Audition is required and students are placed in the appropriate drill group based on skill level and ability. Students will learn fundamental skills in several dance techniques: ballet, modern, jazz, tap, folk, character, and ethnic. In addition, course objectives will emphasize creative expression through movement, awareness of space, time, and energy in dance technique and improvisational studies; development of self- confidence using the body as an expressive instrument; and appreciation of dance as an art form. Typically, fees are charged for some activities of the ensemble.
Prerequisite: Tryouts Required

Drill - Junior Varsity I; Drill - Junior Varsity II; Drill - Junior Varsity III; Drill - Junior Varsity IV (0.5 credit)

This course prepares dance students for rehearsals and public performances as members of the campus extra-curricular drill team. Audition is required and students are placed in the appropriate drill group based on skill level and ability. Students will learn fundamental skills in several dance techniques: ballet, modern, jazz, tap, folk, character, and ethnic. In addition, course objectives will emphasize creative expression through movement, awareness of space, time, and energy in dance technique and improvisational studies; development of self- confidence using the body as an expressive instrument; and appreciation of dance as an art form. Typically, fees are charged for some activities of the ensemble (uniform accessories, extracurricular travel expense, etc.) The student will earn 0.5 PE substitution credit (fall semester) and 1.0 Fine Arts credit upon course completion.
Prerequisite: Tryouts Required

Girls Basketball I; Girls Basketball II; Girls Basketball III; Girls Basketball IV (0.5 credit)

These courses are designed to develop strength, agility, and endurance through competition in a variety of sports. Squad number limitations in athletics and cheerleading may require students to tryout and earn a position on a team before being scheduled in an athletic period. Incoming 9th grade students who do not have UIL physicals or parent's acknowledgement form turned in to athletic trainer by August 1 will be placed in regular P.E. class prior to school starting.
Prerequisite: Coach's approval

Girls Cross County I; Girls Cross County II; Girls Cross County III; Girls Cross County IV (0.5 credit)

These courses are designed to develop strength, agility, and endurance through competition in a variety of sports. Squad number limitations in athletics and cheerleading may require students to tryout and earn a position on a team before being scheduled in an athletic period. Incoming 9th grade students who do not have UIL physicals or parent's acknowledgement form turned in to athletic trainer by August 1 will be placed in regular P.E. class prior to school starting.
Prerequisite: Coach's approval

Girls Golf I; Girls Golf II; Girls Golf III; Girls Golf IV (0.5 credit)

These courses are designed to develop strength, agility, and endurance through competition in a variety of sports. Squad number limitations in athletics and cheerleading may require students to tryout and earn a position on a team before being scheduled in an athletic period. Incoming 9th grade students who do not have UIL physicals or parent's acknowledgement form turned into athletic trainer by August 1 will be placed in regular P.E. class prior to school starting. Prior experience preferred and must provide own equipment.
Prerequisite: Coach's approval

Girls Soccer I; Girls Soccer II; Girls Soccer III; Girls Soccer IV (0.5 credit)

These courses are designed to develop strength, agility, and endurance through competition in a variety of sports. Squad number limitations in athletics and cheerleading may require students to tryout and earn a position on a team before being scheduled in an athletic period. Incoming 9th grade students who do not have UIL physicals or parent's acknowledgement form turned in to athletic trainer by August 1 will be placed in regular P.E. class prior to school starting.
Prerequisite: Coach's approval; Prior participation in a soccer league

Girls Softball I; Girls Softball II; Girls Softball III; Girls Softball IV (0.5 credit)

These courses are designed to develop strength, agility, and endurance through competition in a variety of sports. Squad number limitations in athletics and cheerleading may require students to tryout and earn a position on a team before being scheduled in an athletic period. Incoming 9th grade students who do not have UIL physicals or parent's acknowledgement form turned in to athletic trainer by August 1 will be placed in regular P.E. class prior to school starting.
Prerequisite: Coach's approval; Prior participation in a softball league

Girls Swimming I; Girls Swimming II; Girls Swimming III; Girls Swimming IV (0.5 credit)

These courses are designed to develop strength, agility, and endurance through competition in a variety of sports. Squad number limitations in athletics and cheerleading may require students to tryout and earn a position on a team before being scheduled in an athletic period. Incoming 9th grade students who do not have UIL physicals or parent's acknowledgement form turned in to athletic trainer by August 1 will be placed in regular P.E. class prior to school starting.
Prerequisite: Coach's approval

Girls Track I; Girls Track II; Girls Track III; Girls Track IV (0.5 credit)

These courses are designed to develop strength, agility, and endurance through competition in a variety of sports. Squad number limitations in athletics and cheerleading may require students to tryout and earn a position on a team before being scheduled in an athletic period. Incoming 9th grade students who do not have UIL physicals or parent's acknowledgement form turned in to athletic trainer by August 1 will be placed in regular P.E. class prior to school starting.
Prerequisite: Coach's approval

Girls Volleyball I; Girls Volleyball II; Girls Volleyball III; Girls Volleyball IV (0.5 credit)

These courses are designed to develop strength, agility, and endurance through competition in a variety of sports. Squad number limitations in athletics and cheerleading may require students to tryout and earn a position on a team before being scheduled in an athletic period. Incoming 9th grade students who do not have UIL physicals or parent's acknowledgement form turned in to athletic trainer by August 1 will be placed in regular P.E. class prior to school starting.
Prerequisite: Tryouts Required

Sports Medicine I (0.5 credit); Sports Medicine II (0.5 credit)

This course covers the study and application 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, etc.Student will receive state elective credit upon completion of course.
Prerequisite: Coach's approval

Tennis I; Tennis II; Tennis III; Tennis IV (0.5 credit)

These courses are designed to develop strength, agility, and endurance through competition in a variety of sports. Squad number limitations in athletics and cheerleading may require students to tryout and earn a position on a team before being scheduled in an athletic period. Incoming 9th grade students who do not have UIL physicals or parent's acknowledgement form turned in to athletic trainer by August 1 will be placed in regular P.E. class prior to school starting.
Prerequisite: Coach's approval

Junior Reserve Officers' Training Corps - JROTC

JROTC I (1 credit); JROTC II (1 credit); JROTC III (1 credit); JROTC IV (1 credit)

The JROTC program of study emphasizes leadership development, civic responsibility, and personal growth through a structured military framework. Students explore the history, organization, and purpose of military service at local, state, and federal levels, while gaining a foundational understanding of the U.S. Constitution and the role it plays in shaping civic life. The courses foster discipline, teamwork, and decision-making, encouraging students to become engaged citizens and future leaders in their communities.
Prerequisite: None; Successful completion of the previous level: (e.g., JROTC I → JROTC II)

Fine Arts

Art I (1 credit)

Art I is the first course in the high school art sequence and is predominantly a studio course. In the first semester, students explore the elements of art, composition and basics of drawing. Second semester topics include principles of design and the exploration of color. Exemplary works of artists from the past and present are examined and discussed. Art projects are designed to build student confidence. Career opportunities in the art field are introduced. A materials fee of $10.00 will be assessed each semester.
Prerequisite: None

Art II - 2D (1 credit)

Art II: 2-D expands the understanding and skills introduced in Art I. This course is an independent study studio class designed to strengthen the students' skills in various media. Students will experiment with a variety of materials and skills in two-dimensional media. At the end of each semester, 3 complete portfolio quality works of art must be submitted for review and critique. The specific medium covered will depend on availability of staff, facilities, and sufficient enrollment of students interested in that medium. A materials fee of $15.00 assessed each semester.
Prerequisite: Art I and/or teacher recommendation and portfolio review

Art II - 3D (0.5 credit)

Art II: 3-D expands the understanding and skills introduced in Art I. This course is an independent study studio class designed to strengthen the students' skills in various media. Students will experiment with a variety of materials and skills in three-dimensional media. At the end of each semester, 3 complete portfolio quality works of art must be submitted for review and critique. The specific medium covered will depend on availability of staff, facilities, and sufficient enrollment of students interested in that medium. A materials fee of $15.00 is assessed each semester.
Prerequisite: Art I and/or teacher recommendation and portfolio review

Honors Art II - 2D (0.5 credit)

Honors Art II (2-D) is designed to prepare the student for the rigor of curriculum involved in the successful pursuit of Advanced Placement art classes offered as Drawing, 2D Design, and 3D Design Portfolio classes. An agreement is required between student, parent, and teacher before participating in these classes. At the end of each semester, 4 complete portfolio quality works of art must be submitted for review and critique. A materials fee of $15.00 will be assessed each semester.
Prerequisite: Art I and/or teacher recommendation and portfolio review

Art III - 2D (0.5 credit)

Art III: 2-D expands the understanding and skills introduced in Art II. This course is an independent study studio class designed to strengthen the students' skills in various media. Students will experiment with a variety of materials and skills in two-dimensional media. At the end of each semester, 4 complete portfolio quality works of art must be submitted for review and critique. The specific media covered will depend on availability of staff, facilities, and sufficient enrollment of students interested in that medium.A materials fee of $15.00 will be assessed each semester.
Prerequisite: Art II and/or teacher recommendation and portfolio review

Art III - 3D (0.5 credit)

Art III: 3-D expands the understanding and skills introduced in Art II. This course is an independent study studio class designed to strengthen the students' skills in various media. Students will experiment with a variety of materials and skills in three-dimensional media. At the end of each semester, 4 complete portfolio quality works of art must be submitted for review and critique. The specific media covered will depend on availability of staff, facilities, and sufficient enrollment of students interested in that medium. A materials fee of $15.00 will be assessed each semester.
Prerequisite: Art II and/or teacher recommendation and portfolio review

Art IV - 2D (0.5 credit)

Art IV: 2-D expands the understanding and skills introduced in Art III. This course is an independent study studio class designed to strengthen the students' skills in various media. Students will experiment with a variety of materials and skills in two-dimensional media. At the end of each semester, 5 complete portfolio quality works of art must be submitted for review and critique. The specific medium covered will depend on availability of staff, facilities, and sufficient enrollment of students interested in that medium. A materials fee of $15.00 will be assessed each semester.
Prerequisite: Art II and/or teacher recommendation and portfolio review

Art IV - 3D (0.5 credit)

Art IV: 3-D expands the understanding and skills introduced in Art III. This course is an independent study studio class designed to strengthen the students' skills in various media. Students will experiment with a variety of materials and skills in three-dimensional media. At the end of each semester, 5 complete portfolio quality works of art must be submitted for review and critique. The specific medium covered will depend on availability of staff, facilities, and sufficient enrollment of students interested in that medium.
A materials fee of $15.00 will be assessed each semester.
Prerequisite: Art III and/or teacher recommendation and portfolio review

Dual Credit Art Appreciation (0.5 credit) - ARTS 1301

A general introduction to the visual arts designed to create an appreciation of the vocabulary, media, techniques, and purposes of the creative process. Students will critically interpret and evaluate works of art within formal, cultural, and historical contexts.
Prerequisite: Meet Dual Credit Requirements - See College Course Catalog

American Sign Language (ASL) Choir I; ASL Choir II; ASL Choir III; ASL Choir IV (0.5 credit)

ASL Choir includes performance and dramatic interpretation involving the use of sign language, music, and drama. Students will perform plays, skits, poetry, songs, and interpret songs. The students will also develop an awareness of deaf culture. This course counts as a Fine Arts Credit.
Prerequisites: ASL I or teacher recommendation

Band I - Cadet, Concert Band, Percussion (0.5 credit)

1st Year - This course is designed to initiate the student's opportunity to develop and exhibit both performance and marching skills in the band program. Participation in marching band is required. The student will continue the introduction to band literature that was begun in junior school. Students are auditioned at the beginning of each year and based upon their exhibited performance abilities, are placed in one of several bands. Additional opportunities for audition and reassignment are available during the year. Students will participate in the concert and sight-reading evaluation process in the spring semester as part of this ensemble. The student will earn 0.5 PE substitution credit (fall semester) and 1.0 Fine Arts credit upon course completion. A $95.00 band uniform, maintenance and supply fee will be assessed each year.
Prerequisite: 8th Grade band or teacher recommendation

Band I - Jazz, Symphonic, Wind Ensemble (0.5 credit)

1st Year—Many of the activities of this course occur outside the normal school hours as an extension of the classroom lesson plan. As such, they are considered “co-curricular” activities under TEA rules. Attendance is required and considered a part of the student’s grade in class. Members of the jazz band ensemble may be required to perform concerts for community and district events. To be eligible for enrollment in jazz band, students must be concurrently enrolled in a BAND course.Students in this ensemble typically audition for the TMEA All-State process for Jazz Band in the fall semester as part of the course.
Co-requisite: Band I
Prerequisite: Teacher recommendation or audition

Band II - Cadet, Concert Band, Percussion Battery, Percussion Pit (0.5 credit)

2nd Year Band – This course builds on previous experience, continuing development in performance and marching skills. Marching band participation is required. Students audition annually for placement into ensembles based on skill and instrumentation needs, with reassignment opportunities throughout the year. Students continue exploring band literature introduced in junior high and participate in spring concert and sight-reading evaluations. Auditioning for TMEA All-State and UIL Solo/Ensemble competitions is highly encouraged. Credits: 0.5 PE (fall) + 1.0 Fine Arts; Annual Fee: $95 (uniform, maintenance, supplies)
Prerequisite: Band I - Cadet, Concert Band, or Percussion

Band II - Jazz, Symphonic, Wind Ensemble (0.5 credit)

2nd Year Band – This course furthers students’ performance and marching skills, continuing the study of band literature from junior high. Marching band participation is required. Students audition annually for ensemble placement, with opportunities for reassignment throughout the year. Students will participate in spring concert and sight-reading evaluations and are encouraged to audition for TMEA All-State and UIL Solo/Ensemble competitions.Credits: 0.5 PE (fall) + 1.0 Fine Arts; Annual Fee: $95 (uniform, maintenance, supplies)
Prerequisite: Band I - Jazz

Band III - Cadet, Concert Band, Percussion Pit, Percussion Battery (0.5 credit)

3rd Year Band – This course continues to build students' performance and marching skills. Marching band participation is required. Students are placed into ensembles based on annual auditions, with opportunities for reassignment during the year. Band literature study begun in junior high continues. Students will participate in spring concert and sight-reading evaluations and are encouraged to audition for TMEA All-State and UIL Solo/Ensemble competitions. Annual Fee: $95 (uniform, maintenance, supplies)
Prerequisite: Band II - Cadet, Concert Band, or Percussion

Band III - Jazz, Symphonic, Wind Ensemble (0.5 credit)

3rd Year Band – This course continues to build students' performance and marching skills. Marching band participation is required. Students are placed into ensembles based on annual auditions, with opportunities for reassignment during the year. Band literature study begun in junior high continues. Students will participate in spring concert and sight-reading evaluations and are encouraged to audition for TMEA All-State and UIL Solo/Ensemble competitions. Annual Fee: $95 (uniform, maintenance, supplies)
Prerequisite: Band II - Jazz, Symphonic, or Wind Ensemble

Band IV - Cadet, Concert Band, Percussion Pit, Percussion Battery (0.5 credit)

4th Year Band – This course continues to strengthen students' performance and marching skills. Marching band participation is required. Students audition annually for ensemble placement, with reassignment opportunities available. Band literature study from junior high is continued. Students will participate in spring concert and sight-reading evaluations and are encouraged to audition for TMEA All-State and UIL Solo/Ensemble competitions. Annual Fee: $95 (uniform, maintenance, supplies)
Prerequisite: Band III - Cadet, Concert Band, or Percussion

Band IV - Jazz, Symphonic, Wind Ensemble (0.5 credit)

3rd Year Band – This course continues to build students' performance and marching skills. Marching band participation is required. Students are placed into ensembles based on annual auditions, with opportunities for reassignment during the year. Band literature study begun in junior high continues.
Students will participate in spring concert and sight-reading evaluations and are encouraged to audition for TMEA All-State and UIL Solo/Ensemble competitions. Annual Fee: $95 (uniform, maintenance, supplies)
Prerequisite: Band III - Jazz, Symphonic, or Wind Ensemble

Choir I - Beginners (0.5 credit)

A choral ensemble for inexperienced singers with no audition required. Choral repertoire will be studied and performed. Basic vocal technique, music reading skills, ensemble performance skills, and solo singing skills will be developed in this class. Participation in the Texas Music Educators Association Region Choir Audition is suggested but not required. The choral music program is designed to help students develop their singing talent, become knowledgeable musicians, and become responsible, dedicated, and caring citizens. Choir students will have many solo and group performance opportunities. A $60.00 choir supply fee will be assessed each year.
Prerequisite: None

Choir I - Boys Choir, Concert, Symphonic, Treble A, Treble B (0.5 credit)

A choral ensemble for inexperienced singers with no audition required. Choral repertoire will be studied and performed. Basic vocal technique, music reading skills and ensemble performance skills will be developed in this class. The choral music program is designed to help students develop their singing talent, become knowledgeable musicians, and become responsible, dedicated, and caring citizens. Choir students will have many solo and group and performance opportunities. A $60.00 choir supply fee will be assessed each year.
Prerequisite: None

Choir II - Beginners (0.5 credit)

A choral ensemble for inexperienced singers with no audition required. Choral repertoire will be studied and performed. Basic vocal technique, music reading skills, ensemble performance skills, and solo singing skills will be developed in this class. Participation in the Texas Music Educators Association Region Choir Audition is suggested but not required. The choral music program is designed to help students develop their singing talent, become knowledgeable musicians, and become responsible, dedicated, and caring citizens. Choir students will have many solo and group performance opportunities. A $60.00 choir supply fee will be assessed each year.
Prerequisite: None

Choir II - Boys Choir, Concert, Symphonic, Treble A, Treble B (0.5 credit)

A choral ensemble for inexperienced singers with no audition required. Tenor/Bass choral repertoire will be studied and performed. Basic vocal technique, music reading skills and ensemble performance skills will be developed in this class. The choral music program is designed to help students develop their singing talent, become knowledgeable musicians, and become responsible, dedicated, and caring citizens.
Choir students will have many solo and group performance opportunities. A $60.00 choir supply fee will be assessed each year.
Prerequisite: Choir I

Choir III - Beginners (0.5 credit)

A non-auditioned SATB choir for beginning singers. Students learn vocal technique, music reading, ensemble, and solo skills. Region Choir auditions are encouraged but not required. Includes solo and group performances. A $60.00 choir supply fee will be assessed each year.
Prerequisite: None

Choir III - Boys Choir, Concert, Symphonic, Treble A, Treble B (0.5 credit)

An auditioned small ensemble for experienced singers, focusing on SATB repertoire in popular and jazz styles. Students develop advanced vocal, reading, ensemble, and solo skills. Concurrent enrollment in another choir is required. Includes UIL Concert & Sight-Reading participation and various performance opportunities. A $60.00 choir supply fee will be assessed each year.
Prerequisite: Choir II

Choir IV - Beginners (0.5 credit)

This non-auditioned ensemble is for new or inexperienced singers. Students will study SATB repertoire and build foundational skills in vocal technique, music reading, ensemble, and solo performance. Participation in TMEA Region Choir auditions is encouraged but not required. Choir offers many solo and group performance opportunities and fosters musical and personal growth. A $60 annual choir supply fee is required.
Prerequisite: None

Choir IV - Boys Choir, Concert, Symphonic, Treble A, Treble B (0.5 credit)

A choral ensemble for experienced singers with an audition required. Students will develop basic vocal technique, music reading, and ensemble skills. Choir fosters musical growth and character development, with opportunities for both solo and group performances. A $60 annual choir supply fee is required.
Prerequisite: Choir III

Dual Credit Music Appreciation (0.5 credit) - MUSI 1306

Understanding music through the study of cultural periods, major composers, and musical elements. Illustrated with audio recordings and live performances. (Does not apply to a music major degree.) Music majors should enroll in MUSI 1307.
Prerequisite: Meet Dual Credit Requirements - See College Course Catalog

Color Guard I, II, III, IV - (0.5 credit)

This auxiliary unit of the marching band uses flags and rifles, focusing on physical conditioning, equipment skills, choreography, dance, and teamwork. Members rehearse daily after school during football season and perform at all varsity games and selected contests. Attendance at all rehearsals and performances is required. Students may need to purchase uniforms and footwear (hat excluded), depending on the budget.
Earns 0.5 PE substitution credit (fall) and 0.5 local credit (spring). Only 1 PE-related credit may count toward graduation.
Prerequisite: Audition

Dance I (1 credit)

Students should enroll in this class only if they have a working vocabulary and knowledge of advanced skills in the study of dance. Students will be provided opportunities to teach and choreograph different dance forms. Their creations will be utilized in public performances. Prospective students and their parents should check with the instructor for audition information before enrolling. Course offering will depend upon availability of sufficient faculty, facilities, and enrollment. A dance uniform fee of $52.00 will be assessed each year.
Prerequisite: None

Dance II (1 credit); Dance III (1 credit); Dance IV (1 credit)

Students should enroll in this class only if they have a working vocabulary and knowledge of advanced skills in the study of dance. Students will be provided opportunities to teach and choreograph different dance forms. Their creations will be utilized in public performances. Prospective students and their parents should check with the instructor for audition information before enrolling. Course offering will depend upon availability of sufficient faculty, facilities, and enrollment. A dance uniform fee of $52.00 will be assessed each year.
Prerequisite: Successful completion of the previous level: (e.g.,Dance I → Dance II)

Drill I (1 credit); Drill II, Drill III; Drill IV; Drill JV I; Drill JV II; Drill JV III (0.5 credit)

This course prepares dance students for rehearsals and public performances as members of the campus extra-curricular drill team. Audition is required and students are placed in the appropriate drill group based on skill level and ability. Students will learn fundamental skills in several dance techniques: ballet, modern, jazz, tap, folk, character, and ethnic. In addition, course objectives will emphasize creative expression through movement, awareness of space, time, and energy in dance technique and improvisational studies; development of self- confidence using the body as an expressive instrument; and appreciation of dance as an art form. Typically, fees are charged for some activities of the ensemble (uniform accessories, extracurricular travel expense, etc.)
Prerequisite: Audition

Orchestra I - Chamber, Philharmonic, Symphony (0.5 credit)

Students develop performance skills on the four orchestral string instruments, with chair placement based on auditions. The class explores a variety of classical and popular string literature. Students will participate in concert and sight-reading evaluations in the spring. TMEA and UIL Solo/Ensemble auditions are encouraged. A $95 annual fee covers uniform, maintenance, and supplies.
Prerequisite: 8th Grade orchestra or teacher recommendation

Orchestra II, Orchestra III, Orchestra IV - Chamber, Philharmonic, Symphony (0.5 credit)

Students continue to grow their skills on orchestral string instruments, with chair placement based on auditions. The ensemble studies classical and popular repertoire and participates in spring concert and sight-reading evaluations. TMEA and UIL Solo/Ensemble auditions are encouraged. A $95 annual fee covers uniform, maintenance, and supplies.
Prerequisite: Successful completion of the previous level: (e.g.,Orchestra I → Orchestra II); Teacher's approval

Theatre Arts I, Theatre Arts II, Theatre Arts III, Theatre Arts IV (1 credit)

Theatre I introduces students to acting basics, vocal and physical expression, improvisation, and technical elements like sets and costumes. Theatre II–IV builds on these skills with a focus on advanced acting and production, including public performances and workshops. Fees may apply for costumes, travel, and related activities.
Prerequisites: Successful completion of the previous level: (e.g.,Theatre Arts I → Theatre Arts II)

Technical Theatre I (1 credit)

1st Year Technical Theatre – An introductory course for students interested in stagecraft and behind-the-scenes theatre work. Students learn basic skills in design, lighting, costuming, sound, and set creation, and collaborate on projects and performances. Ideal for those interested in stage management. This is the first course in the technical theatre program. Fees may apply for some activities.
Prerequisite: Theatre Arts I

Technical Theatre II, Technical Theatre III, Technical Theatre IV (0.5 credit)

This advanced course builds on foundational stagecraft skills, focusing on design in lighting, costuming, sound, and set creation. Students collaborate and execute designs for performances and workshops. Participation in the UIL Theatrical Design contest is highly encouraged. Fees may apply for costumes, travel, and other activities.
Prerequisites: Successful completion of the previous level: (e.g.,Technical Theatre I → Technical Theatre II)

Theatre Production I (1 credit)

Theatre Production I – This course covers all aspects of play production, from auditions to performance. Students participate as actors or technicians, learning through hands-on experience. Auditions for seasonal and UIL One-Act plays are mandatory. Ideal for students focused on performance and stage management. A $25 costume fee is required.
Prerequisite: Teacher's Approval

Theatre Production II, Theatre Production III, Theatre Production (0.5 credit)

For advanced students continuing in play production, this course focuses on acting or technical roles in seasonal and UIL One-Act plays. Students take part in auditions, rehearsals, and performances, with required character and play analysis. Auditions are mandatory. A $25 costume fee is required.
Prerequisite: Theatre Production I, Audition

Theatre Production II, Theatre Production III, Theatre Production (0.5 credit)

For advanced students continuing in play production, this course focuses on acting or technical roles in seasonal and UIL One-Act plays. Students take part in auditions, rehearsals, and performances, with required character and play analysis. Auditions are mandatory. A $25 costume fee is required.
Prerequisite: Theatre Production I, Audition

Dual Credit Theatre Appreciation (0.5 credit) - DRAM 1310

Survey of theater including its history, dramatic works, stage techniques, production procedures, and relation to other art forms. Participation in productions may be required.
Prerequisite: Meet Dual Credit Requirements - See College Course Catalog

CAREER AND TECHNICAL EDUCATION (CTE)

Public Notification of Nondiscrimination

Goose Creek Consolidated Independent School District offers career and technical education programs in Agriculture, Food & Natural Resources; Architecture & Construction; Arts, Audio Visual Technology & Communications; Business, Marketing & Finance; Education & Training; Energy; Engineering; Health Science; Hospitality & Tourism; Human Services; Information Technology; Law & Public Service; Manufacturing; and Transportation, Distribution & Logistics. Admission to these programs is based on student interest and space availability in GCCISD CTE programs.

It is the policy of GCCISD not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities and provides equal access to the Boy Scouts and other designated youth groups as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

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

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

For information about your rights or grievance procedures, contact the Title IX Coordinator, Dr. Matthew Bolinger, Assistant Superintendent at (matthew.bolinger@gccisd.net), and/or the Section 504 Coordinator, Holli Pharis at (holli.pharis@gccisd.net), at 4544 I-10 East, Baytown, TX or call 281-420-4800.

CTE Electives by Career Cluster

Architecture and Construction

Principles of Construction (1 credit)

Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or skilled craft areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment.
Prerequisite: None

Construction Technology I (2 credits)

In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance technicians or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing.
Prerequisite: Principles of Construction

Construction Technology II (2 credits)

In Construction Technology II, students will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills.
Prerequisite: Construction Technology I

Practicum in Construction Technology (2 credit)

Practicum in Construction Technology students will be challenged with the application of gained knowledge and skills from Construction Technology I and II. 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.
Prerequisite: Construction Technology II

Architecture and Construction Career Cluster Dual Credit Courses with Lee College (See College Course Catalog)

PFPB 1350 Plumbing & Pipe Fitting Equipment & Safety
PFPB 1408 Basic Pipe Fitting Skills
PFPB 1305 Basic Blueprint Reading for Pipe Fitters
PFPB 2407 Pipe Fabrication & Installation I
PFPB 2310 Intermediate Blueprint Reading for Pipe Fitters
PFPB 2408 Piping Standards & Materials
PFPB 2343 Advanced Pipe Practices
PFPB 2441 Pipe Fabrication & Installation II
PFPB 2449 Field Measuring, Sketching & Layout

Agriculture, Food, and Natural Resources

Floral Design (1 credit)

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. A fee of $20.00 will be assessed each semester. *This counts as a fine arts credit requirement
Prerequisite: None

Advanced Floral Design (1 credit)

In Advanced Floral Design, students gain advanced knowledge and skills specifically needed to enter the workforce as floral designers or as freelance floral event designers, with an emphasis on specialty designs and occasion-specific designs and planning. Students are also prepared to enter postsecondary certification or degree programs in floral design or special events design. Students build on the knowledge base from Principles and Elements of Floral Design and are introduced to more advanced floral design concepts. In addition, students gain knowledge of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of an occasion or event. A $30 course fee will be assessed each semester.
Prerequisite: Floral Design

Wildlife, Fisheries, and Ecology Management (1 credit)

This course is designed to examine the importance of wildlife and outdoor recreation, emphasizing using wildlife and natural resources. This course examines the management of game and non-game wildlife species, fish, and aquacrops and their ecological needs as related to current agricultural practices. Instruction includes the Texas Hunter course and certification required while hunting.
Prerequisite: None

Greenhouse Operation and Production (1 credit)

Greenhouse Operation and Production is designed to develop an understanding of greenhouse production techniques and practices. To prepare for careers in horticultural systems, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.
Prerequisite: None

Horticulture Science (1 or 2 credits) SCTHS Only

Horticultural Science is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production.
Prerequisite: None

Practicum in AFNR Plant Science (2 credits) SCTHS Only

The practicum course is designed to give students an opportunity to enhance their previous learning by participating in a paid/unpaid internship or lab setting in their chosen Agriculture, Food and Natural Resource field.
Prerequisite: Horticulture Science

Business, Marketing, and Finance

Principles of Business, Marketing, and Finance (1 credit)

This course provides students with broad-based business knowledge and skills that every individual should know in all aspects of the business world. These aspects give the student entry-level skills needed for success in any career path you choose. Students will learn how to start and maintain a business including: developing a business plan, logo, business card creation, product marketing and advertising.
Prerequisite: None

Money Matters (1 credit)

Students will investigate how financial matters affect the past, present and future conditions of their lives and the world around them. They will learn how to set and achieve financial goals through savings, tax preparation, stocks and bonds, risk management, retirement planning, and estate planning.
Prerequisite: None

Business Information Management IA (0.5 credit)

This course develops technology skills with applications to personal, college, and business situations focusing on the Microsoft Office Suite – Word, Excel, PowerPoint, and Access. In addition, students gain knowledge of telecommunications, desktop publishing, presentation management, and emerging technologies. Skills are developed in order to prepare students for the MOS (Microsoft Office Specialist) certification exams.
Prerequisite: None

Honors Business Management (1 credit)

Students will study the legal, managerial, financial, ethical, and international dimensions of business to make appropriate management decisions.
Prerequisite: None

Honors Human Resource Management (1 credit)

Human Resources Management is designed to familiarize students with the concepts related to human resource management, including legal requirements, recruitment and employee selection methods, and employee development and evaluation. Students will also become familiar with compensation and benefits programs as well as workplace safety, employee-management relations, and global impacts on human resources.
Prerequisite: None

Honors Global Business (0.5 credit)

Global Business is designed for students to analyze global trade theories, international monetary systems, trade policies, politics, and laws relating to global business as well as cultural issues, logistics, and international human resource management.
Prerequisite: None

Business Law (1 credit) GCM only

Students analyze the evolution and development of laws that govern business in our society. Students apply technical skills to address business application of contemporary legal issues and analyze the social responsibility of business and industry.
Prerequisite: Practicum in AFNR - Plant Science

Business Information Management (1 credit) GCM only

Students will study the legal, managerial, financial, ethical, and international dimensions of business to make appropriate management decisions.
Prerequisite: Business Law or Honors Business Course

Practicum in Business Management (2 credits)

Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience.

Business, Marketing, and Finance Career Cluster Dual Credit Courses with Lee College (See College Course Catalog)

BCIS 1305 Business Computer Applications
BUSI 1301 Principles of Business
BUSI 2301 Business Law
ACCT 2401 Principles of Accounting I – Financial
ACCT 2402 Principles of Accounting I – Managerial

Career Development

Career Preparation I; Career Preparation II

Students earn high school credit for working at a local job while learning interview skills, communication, budgeting, and portfolio development. Up to two class periods may be used for work, and students must provide their own transportation.
Prerequisite: Social Security Card/ Work Permit; Employment (15+ hr/week); Transportation; 16 years old

Education and Training Career Cluster

Principles of Education and Training (1 credit)

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.
Prerequisite: None

Child Development (1 credit)

Students will learn how, when, and why children do what they do. Topics covered include pregnancy and prenatal care, heredity vs. environment, the process of labor & delivery, newborn care and mothering a newborn, growth and development of toddlers, preschoolers, and school-age children, keeping kids safe and healthy, child abuse and careers in child developmental fields. Students will have the opportunity to experience the "Real Baby Program" in which students will "parent" a mechanical baby along with the “empathy belly”, which simulates pregnancy.
Prerequisite: None

Instructional Practices (2 credits)

Students investigate teaching as a career by learning about the areas of teaching as a profession, communicating effectively, and creating an effective learning environment. They will apply skills as they rotate through different local Goose Creek CISD schools. Other topics covered during the school year include understanding the learner and the learning process, planning effective instruction and developing technology skills.
Prerequisite: Principles of Education and Training or Child Development

Practicum in Education and Training (2 credits)

Future teachers in the capstone course will continue career exploration through classroom instruction and application of skills as they rotate through local Goose Creek CISD school settings. Students receive more in-depth program management and curriculum study. They will also serve as team leaders, mentors, and role models. Students enrolled in the course must pass a criminal history check to participate.
Prerequisite: Instructional Practices

Education and Training Career Cluster Dual Credit Courses with Lee College (See College Course Catalog)

EDUC 1301 Introduction to the Teaching Profession
EDUC 2301 Introduction to Special Populations

Energy

Energy Career Cluster Dual Credit Courses with Lee College (See College Course Catalog)

INTC 1305 Introduction to Instrumentation
TECM 1301 Industrial Mathematics
ELPT 1411 Basic Electrical Theory
CTEC 1401 Applied Petrochemical Technology
INTC 1456 Instrumentation Calibration
INTC 1343 Application of Industrial Automatic Control
INTC 1441 Fundamentals of Automatic Control
ELPT 2319 Programmable Logic Controllers
INTC 1350 Digital Measurement and Controls
INTC 2433 Instrumentation Systems Installation
INTC 1348 Analytical Instrumentation- Focused Elective
INTC 1374 Analytical Instrumentation II- Focused Elective
ITCC 1414 Introduction to Networking- Focused Elective

Electricity

Introduction to Engineering Design (1 credit)

In this Project Lead the Way course, students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software and use an engineering notebook to document their work.
Prerequisite: Algebra I (none)

Environmental Sustainability (1 credit)

In Environmental Sustainability, students investigate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply, and renewable energy. Applying their knowledge through hands-on activities and simulations, students research and design potential solutions to these true-to-life challenges.
Prerequisite: Intro to Engineering Design

Engineering Science (1 credit)

In this Project Lead the Way course, students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software and use an engineering notebook to document their work.
Prerequisite: Intro to Engineering Design, Algebra I, Biology, Chemistry/IPC/Physics

Engineering Design and Development (1 credit)

The knowledge and skills students acquire throughout the Project Lead The Way Engineering curriculum come together in Engineering Design and Development (EDD). Students will generate a culminating capstone project using the engineering design process. They will identify a problem and then research, design, and test a solution. Students will present their solution to a panel of engineers and industry partners. Students apply the professional skills they have developed to document a design process to standards, completing EDD ready to take on any postsecondary program or career.
Prerequisite: Intro to Engineering Design, Algebra I

Health Science

Principles of Health Science (1 credit)

This course is an introduction to Health Science careers and terminology. It provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry.
Prerequisite: None

Medical Terminology (1 credit)

Medical terminology is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. Students develop extensive medical vocabulary that will help them to succeed in healthcare occupations by comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology and pathophysiology.
Prerequisite: None

Health Science Theory (1 credit)
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.
Prerequisite: Biology and a Health Science course

Anatomy & Physiology (1 credit)

Anatomy and Physiology study the human body from two aspects. First, students will learn proper anatomical terminology and location of body parts. Second, students will study the function of each system from the cellular level through tissues and the organs involved. During this course of study, students will use microscopes, dissecting tools and basic chemistry to study the workings of the organs, tissues and cells of the human body. This course is a great college prep class for any student interested in furthering their education in the field of medicine.
Prerequisite: Biology, 2nd Science; an Endorsement/Career Cluster of Public Services or STEM/Health Science

Practicum in Health Science CCMA (2 credits)

The Practicum in Health Science- Certified Clinical Medical Assistant (CCMA) course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences will occur in a variety of locations. The student is expected to comply with specific industry standards related to safety and substance abuse and model industry expectations of professional conduct such as attendance, punctuality, personal appearance, hygiene, and time management. This course will prepare students for national certification testing to become credentialed as a CCMA upon graduation. Students are required to obtain vaccinations, a flu shot, (fingerprinting and drug testing if required), to participate in this course. Course costs will vary based on course requirements. Transportation must be provided by student. Approximate cost of class- $155.00 for testing and $50.00 for uniform and $30.00 for stethoscope
Prerequisite: Health Science, Medical Interventions and Biology.

Practicum in Health Science CNA (2 credits)

The Practicum in Health Science- Certified Nursing Assistant (CNA) course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences will occur in a variety of locations. The student is expected to comply with specific industry standards related to safety and substance abuse and model industry expectations of professional conduct such as attendance, punctuality, personal appearance, hygiene, and time management. This course will prepare students for state certification testing to become credentialed and licensed as a CNA. Students are required to obtain vaccinations, a flu shot, fingerprinting, background check (and drug testing if required), to participate in this course. Transportation must be provided by student. Approximate cost of class- $125.00 for testing, $50.00 for uniform. Course costs may vary. A valid social security card is required for state licensing.
Prerequisite: Health Science, Medical Interventions and Biology.

Practicum in Health Science Pharmacy Tech (2 credits)

This course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences will occur in a pharmacy location. The student is expected to comply with specific industry standards related to safety and substance abuse and model industry expectations of professional conduct such as attendance, personal appearance, hygiene, and time management. This course will prepare students for national certification testing to become credentialed as a Pharmacy Technician upon graduation. Certification Exam - $129 Students must provide their own transportation. Fingerprinting & Background Check - $37, Scrubs - $50 & Drug Testing - $50 Some course cost may vary from those listed.
Prerequisite: Health Science, Medical Interventions, Algebra II, and Chemistry

Principles of Biomedical Science (1 credit)

In the introductory course of the Project Lead the Way Biomedical Science coherent sequence of courses, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.
Prerequisite: None

Human Body System (1 credit)

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases.
Prerequisite: Principles of Biomedical Science

Medical Interventions (1 credit)

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.
Prerequisite: Human Body System

Biomedical Innovation (1 credit)

In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology.
Prerequisite: Medical Interventions

Health Science Cluster Dual Credit Courses with Lee College (See College Course Catalog)

BIOL 2301 Anatomy and Physiology I
BIOL 2302 Anatomy and Physiology II

Hospitality and Tourism

Hospitality and Tourism Cluster Dual Credit Courses with Lee College (See College Course Catalog)

CHEF 1301 Basic Food Preparation
CHEF 1305 Sanitation and Safety
PSTR 1401 Fundamentals of Baking
CHEF 2301 Intermediate Food Prep
IFWA 2346 Quantity Procedure
CHEF 2402 Saucier
CHEF 2331 Adv Food Preparation
IFWA 1501 Food Prep 1
CHEF 2336 Charcuterie
CHEF 1313 Food Operations/Systems
CHEF 1441 American Regional Cuisine
PSTR 2431 Advanced Pastry Shop

Human Services

Lifetime, Nutrition, and Wellness (0.5 credit)

The course focuses on the skills and strategies necessary for students to make a successful transition into high school and an academic career. Students explore the options available in high school, higher education, and the professional world in order to establish both immediate and long-range personal goals.
Prerequisite: None

Human Services Cluster Dual Credit Courses with Lee College (See College Course Catalog)

CSME 1505 Fundamentals of Cosmetology
CSME 1254 Artistry of Hair Design I
CSME 1453 Chemical Reformation and Related Theory
CSME 1410 Introduction to Haircutting and Related Theory
CSME 2401 The Principles of Hair Coloring and Related Theory
CSME 2337 Advanced Cosmetology Techniques
CSME 2439 Advanced Hair Design
CSME 2441 Preparation for the State Licensing Examination

Hospitality & Tourism

Introduction to Culinary Arts (1 credit)

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. A $20.00 course fee will be assessed.
Prerequisite: None

Food Science (1 credit)

The study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. A $20.00 fee will be assessed.
Prerequisite: Biology, Chemistry, and a 3rd Science; If in Culinary Arts Program of Study: Intro to Culinary Arts

Information Technology

Fundamentals of Computer Science (1 credit)

Fundamentals of Computer Science is intended as a first course for those students just beginning the study of computer science. Students will learn about the computing tools that are used every day. Students will foster their creativity and innovation through opportunities to design, implement, and present solutions to real-world problems. Students will collaborate and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will learn the problem-solving and reasoning skills that are the foundation of computer science.
Prerequisite: None

Game Programming and Design (1 credit)

Game Programming and Design will foster student creativity and innovation by presenting students with 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 gaming problems. Through data analysis, students will include the identification of task requirements, plan search strategies, and use programming concepts to access, analyze, and evaluate information needed to design games.
Prerequisite: Algebra I

Computer Science I (1 credit)

Computer Science involves the understanding of programming language concepts and how they are applied in problem solving. This course also covers problem solving, computer architecture, and programming concepts. This knowledge helps students understand how software is written and increases the student's ability to learn application software through the understanding of the basic concepts.
Prerequisite: Algebra I

OnRamps Computer Science (1 credit) - COMP 1303

OnRamps Computer Science teaches a set of core ideas that shapes the landscape of computer science and its impact on our society. In addition to learning about the magic and beauty of computing, students will acquire essential Texas College and Career Readiness skills, applying critical thinking, problem solving, and communication within a project-based learning framework.
Prerequisite: Algebra I; Algebra II preferred

Computer Science II (1 credit)

Computer Science II is a programming course designed to teach students the concepts needed to be successful in the computer science / software design industry. They will create and maintain large scale projects by applying the following skills/concepts: debugging, analysis and expansion of existing programs, abstract datatypes, mouse and keyboard input, file processing, audio processing and advanced graphics (2D and 3D). Students will learn to use more than just one language. They will be able to determine which language is best for solving various problems.
Prerequisite: Computer Science or OnRamps Computer Science

Information Technology Cluster Dual Credit Courses with Lee College (See College Course Catalog)

BCIS 1305 Business Computer Applications
CPMT 1411 Introduction to Computer Maintenance
ITSY 1300 Fundamentals of Information Security
ITNW 1425 Fundamentals of Networking Technology
ITSC 1416 Linux Installation and Configuration (Year Long)
ITNW 2412 Routers
ITSY 1442 Information Security
ITNW 2453 Advanced Routers and Switches
CPMT 1443 Microcomputer Architecture
ITSY 1342 Information Technology Security
ITSE 1402 Computer Programming
CPMT 2488 Computer Installation and Repair Technology
ITNW 1309 Fundamentals of Cloud Computing

Law and Public Service Career Cluster

Principles of Law, Public Safety, Corrections, and Security (1 credit)

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. Other topics in this course range from causes of crime to terrorism to the future of criminal justice.
Prerequisite: None

Law Enforcement I (1 credit)

Students will be involved in the study of law enforcement philosophies and practices. In addition, students will study juvenile offenders, drug abusers, and various types of criminal offenders. Field trips include college campuses tours, and criminal courts. Topics and activities in this course include felony traffic stops, handcuffing procedures, and general practices. This is an excellent course for students interested in law enforcement.
Prerequisite: Principles of Law, Public Safety, Corrections, and Security

Law Enforcement II (1 credit)

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony
Prerequisite: Law Enforcement I

Forensic Science (1 credit)

Forensic Science introduces students to the principles and practices used in criminal investigations. Students develop an understanding of forensic terminology and crime scene procedures while learning to collect, preserve, and analyze evidence. Areas of study include fingerprinting, ballistics, blood spatter analysis, toxicology, and impression evidence such as tire tracks. Through hands-on experiences and simulated investigations, students apply scientific methods to real-world scenarios, making this course ideal for those interested in law enforcement and forensic careers.
Prerequisite: Biology, Chemistry

Practicum in Law, Public Safety Corrections, and Security (2 credit)

The practicum course is designed to give students supervised practical application of previously studied knowledge and skills in law, public safety, corrections, and security. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. An annual Law Enforcement course fee of $20 will be assessed. Participation in Skills USA is encouraged.
Prerequisite: Law I

Law and Public Service Cluster Dual Credit Courses with Lee College (See College Course Catalog)

CJSA 1322 Introduction to Criminal Justice
CJLE 1327 Interview and Report Writing
CJLE 2345 Vice and Narcotics Investigation
CJSA 1313 Court Systems and Practices
CJSA 1342 Criminal Investigation
CJSA 1308 Criminalistics I
CJSA 2323 Criminalistics II
CJSA 2332 Criminalistics III

Manufacturing

Introduction to Engineering Design (1 credit)

In this Project Lead the Way course, students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software and use an engineering notebook to document their work.
Prerequisite: None

Robotics I (1 credit)

Would you like to build a robot? Learn about the robot and automation industry? Then sign up for this course! Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. 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. Students will be in a classroom and lab setting and have the opportunity to be a part of the robotics competition team!
Prerequisite: Introduction to Engineering Design

Robotics II (1 credit)

Building on the knowledge and skills taught into Robotics I, students will transfer advanced academic skills to component designs in a project-based environment. 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. Students will be in a classroom and lab setting and have the opportunity to be a part of the robotics competition team!
Prerequisite: Introduction to Engineering Design

Engineering Design and Development (1 credit)

Building on the knowledge and skills taught into Robotics I, students will transfer advanced academic skills to component designs in a project-based environment. 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. Students will be in a classroom and lab setting and have the opportunity to be a part of the robotics competition team!

Introduction to Welding (1 credit)

This course is designed to give students supervised practical application of knowledge and skills in AFNR with an emphasis in advanced welding applications. This course reinforces previously learned hands on training with entry level skills in welding. Students will advance in the welding knowledge and skills learned in previous courses. Annual welding program fee of $40. Students will be required to purchase boots and a shirt.
Prerequisite: Program Application

Welding I (1 credit)

This course is designed to give students supervised practical application of knowledge and skills in AFNR with an emphasis in advanced welding applications. This course reinforces previously learned, hands on training with entry level skills in welding. Students will advance in the welding knowledge and skills learned in previous courses. Annual welding program fee of $40. Students will be required to purchase boots and a shirt.
Prerequisite: Introduction to Welding

Welding II (1 credit)

Welding II builds on the knowledge and skills developed in Welding I. Students will develop advanced welding concepts and skills as related to personal and career development. Students will integrate academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Annual welding program fee of $40. Students will be required to purchase boots and a shirt.
Prerequisite: Welding I

Manufacturing Service Cluster Dual Credit Courses with Lee College (See College Course Catalog)

WLDG 1323 Welding Safety, Tools, and Equipment
WLDG 1428 Introduction to Shielded Metal Arc Welding
WLDG 1313 Introduction to Blueprint Reading for Welders
WLDG 2443 Advanced Shielded Metal Arc Welding
WLDG 1337 Introduction to Welding Metallurgy
WLDG 1435 Introduction to Pipe Welding
WLDG 1200 Introduction to Welding
WLDG 1430 Introduction to Gas Metal Arc
WLDG 1312 Intro to Flux Core (FCAW)
WLDG 1434 Introduction to Gas Tungsten Arc Welding
WLDG 2453 Advance Pipe Welding
WLDG 2451 Advanced Gas Tungsten Arc Welding

Transportation, Distribution, and Logistics

Principles of Distribution and Logistics (1 credit)

In Principles of Distribution and Logistics, students will gain knowledge and skills in the safe application, design, production, and assessment of products, services, and systems. This knowledge includes the history, laws and regulations, and common practices used in the logistics of warehousing and transportation systems. Students should apply knowledge and skills in the application, design, and production of technology as it relates to distribution and logistics industries. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings.
Prerequisite: None

Transportation, Distribution, and Logistics Career Cluster Dual Credit Courses with Lee College (See College Course Catalog)

ABDR 1431 Basic Refinishing
ABDR 1455 Non-Structural Metal Repair
ABDR 1349 Automotive Plastic Repair
ABDR 2449 Advanced Refinishing
AUMT 1405 Introduction to Automotive Technology
AUMT 1312 Automotive Basic System
AUMT 1407 Electrical Systems
AUMT 2437 Auto Electronics
AUMT 1416 Automotive Suspension and Steering Systems
AUMT 1410 Automotive Brake Systems
AUMT 1419 Engine Repair
AUMT 1345 Climate Control
AUMT 2417 Automotive Engine Perf. Analysis 1
AUMT 2434 Automotive Engine Perf. Analysis 2
AUMT 2413 Automotive Drivetrain & Axles
AUMT 2413 Automotive Drivetrain & Axles
DEMR 1306 Diesel Engine I
DEMR 1313 Fuel Systems
DEMR 1449 Diesel Engine II
DEMR 1329 Preventive Maintenance
DEMR 1410 Diesel Engine Testing and Repair 1
DEMR 2348 Failure Analysis
DEMR 2412 Diesel Engine Testing and Repair II
DEMR 1316 Basic Hydraulics
DEMR 2334 Advance Diesel Tune-up and Troubleshooting
DEMR 1323 HVAC Troubleshooting and Repair
DEMR 1280 Co-Op
NAUT 1305 – Intro to Ships and Shipping
NAUT 1315 – Basic Safety
NAUT 1320 – Seamanship I
NAUT 1230 – Engineering Familiarization
NAUT 1345 – Marine Cargo Operations
NAUT 2310- Seamanship II
PHED 1142 – Fitness Swimming