Together We Can...
INSPIRE.FOSTER.EMPOWER.

2022
2023

GRADUATION & CAREER

THE OFFICIAL
GRADUATION GUIDE

PLANNING GUIDE

FLOUR BLUFF HIGH SCHOOL

HS.FLOURBLUFFSCHOOLS.NET

TABLE OF CONTENTS

NOTE: This Graduation and Career Planning Guide is subject to change based on updates and changes to law or policy from TEA and the FBISD Board of Trustees.

Course Offering Index

Course Offering Index, cont'd…

Course Offering Index, cont'd…

Course Offering Index, cont'd…

FLOUR BLUFF

INDEPENDENT SCHOOL DISTRICT

Board of Trustees

Shirley Thornton, President
Michael Morgan, Vice-President
Jennifer Welp, Secretary
Nicole Dowd
Jerry Hooper, Jr.
Dr. Jim Needham
Nicole Peters

Administration

Velma Soliz-García, Superintendent of Schools
James Crenshaw, Deputy Superintendent for School Support & District Operations
Ludivina Cansino, Chief Financial, Business & Human Capital Officer
Dr. Linda Barganski, Associate Superintendent for Student Services
Nicole White, Executive Director of Curriculum and Instruction
Kristen Bily, Executive Director of Communications & Community Relations
Staci Cade, District Testing Coordinator/ARD Administrator
Edgar VanGeem, Director of Special Education

Linda Medley, High School Principal
Molly Parker, High School Curriculum Supervisor
Amy Seeds, Assistant Principal, A-Go
Darryl Smith, Assistant Principal Gr-Ph
Kelly Boswell, Assistant Principal Pi-Z
Pam Pailes, Intervention Specialist A-L
Norma Fisher, Intervention Specialist M-Z
Cindy Holder, Director of Student Development and Guidance Center & Hornet Learning Academy
Shea Hernandez, Assistant Principal, Student Development and Guidance Center & Hornet Learning Academy

High School Guidance Counselors

Mary Louise Martinez, A-E mlmartinez@flourbluffschools.net	694-9172
Daphne Granato, F-Le dgranato@flourbluffschools.net	694-9173
Tina Watson, Li-Rob twatson@flourbluffschools.net	694-9170
Lauren Smith, Roc-Z laurensmith@flourbluffschools.net	694-9171
Alyssa Cano, LPC, Social Emotional Counselor acano@flourbluffschools.net	694-9156
Kristin Sanderford, Special Education Counselor ksanderford@flourbluffschools.net	694-9066
Casey Jenkins, Counseling Secretary cjenkins@flourbluffschools.net	694-9169

Together We Can . . . Inspire. Foster. Empower.

In Flour Bluff ISD We Believe . . .

- All students are the key to our future, and they understand that strength is borne from our diversity, and each has potential for excellence through action and accountability.
- Parents and families will receive consistent communication, support, and collaboration so that they are true partners in the education of all students in our care.
- Faculty and staff are pillars in our community who demonstrate integrity, subject-matter expertise, and empathetic knowledge of our students in a way that inspires intellectual curiosity and commitment to excellence.
- Principals and campus leaders are servant leaders who lead with compassion, knowledge and support in order to lay the foundation for excellence for all students in our care.
- The Superintendent and Central Office Staff are servant leaders who lead with integrity and vision to support students, families, faculty, and staff while ensuring fiscal responsibility.
- The Board is a visionary team of trustworthy servant leaders who set the direction for our community's school system in a way that supports all students, families, faculty, and staff in pursuit of excellence while ensuring fiscal responsibility.

Vision

Our vision is to make Flour Bluff ISD the premier district in Texas.
Flour Bluff – North Padre Island – NAS/CCAD

Mission

The mission of the Hornet community is to foster and empower students to become confident, productive members of society who pursue excellence with integrity.

Goals

Goal 1: Students: Well-being and academic Success.
Goal 2: Faculty and Staff: Well-being, Professional Development and Growth.
Goal 3: Community Satisfaction and Engagement
Goal 4: Financial Stewardship

Flour Bluff High School
2505 Waldron Road
Corpus Christi, Texas 78418

Dear Students:

I am honored to welcome you to the best high school in Texas! When you enter the front doors to Flour Bluff High School, you are entering one of the most important phases of your education. You will be faced with opportunities that will have a lasting impact on your future.

Inside this guide, you will find valuable information that will assist you in creating a pathway to graduation. It is crucial that you take the time to read and understand all the information provided. The courses you decide to take now will directly impact your high school, college, and career opportunities. We want to ensure that you make the best decisions that will benefit you. A guidance counselor will be readily available to assist you with any questions you may have. Please don't hesitate to ask for clarification or help!

We offer a variety of courses to meet the needs of all students. Inside this guide, you will find written descriptions of each class. Please note there are different graduation plans available. The harder you work and the higher your graduation plan, the more opportunities and advantages you will have as an adult. Please be sure to take the time to plan your schedule carefully. There will be few schedule changes once everyone has registered for classes and schedules are printed. Just as in college, if there are not enough students to make a class, it will be cancelled for that semester or year. When a class is full, it will be closed. <u>It is important that you make a well-thought-out plan to follow the first time.</u>

There are several special programs in which a student can participate while in high school. To be considered for these programs, students must complete an application and meet the deadlines for submission of the application. Please take the time to read about these programs and contact your counselor if further information is needed.

Congratulations for taking this important step in planning your future. We look forward to having you as a student this year.

Best wishes,

Linda Medley

Linda Medley
Principal

Assurance of Nondiscrimination

Flour Bluff Independent School District does not discriminate on the basis of race, religion, color, age, national origin, sex, or disability in providing education or access to benefits of educational services, activities, and programs, including vocational programs, in accordance with: Title VI of the Civil Rights Act of 1964, as amended Title IX of the Educational Amendments Act of 1972; Section 504 of the Rehabilitation Act of 1973, as amended Title II of the Americans with Disabilities Act. Flour Bluff Independent School District will take steps to assure that limited English language skills will not be a barrier to admission and participation in all educational and career and technology education programs. For information about your rights or grievance procedures, contact the Title IX Coordinator, James Crenshaw, at 2505 Waldron Road, Corpus Christi, Texas 78418 (361) 694-9203; Career and Technology Education contact, Dr. Linda Barganski, (361) 694-9230; the Section 504 Coordinator, Dr. Linda Barganski, (361) 694-9230; or English as a Second Language Program Coordinator, Dr. Linda Barganski, at (361) 694-9230.

It is the policy of Flour Bluff Independent School District not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

Es norma de Flour Bluff Independent School District no discriminar por motivos de raza, color, origen national, sexo o impedimento, en sus programas, servicios o activades vocacionales, tal como lo requieren el Titulo VI de la Ley De Deprechos Civiles de 1964, segun enmienda; el Titulo IX de las Enmiendas en la Educacion, de 1973, segun enmienda.

Notification to Parents of Teacher Qualifications
As a parent of a student at Flour Bluff High School, you have the right to know the professional qualifications of the classroom teachers who instruct your child, and Federal law requires the school district to provide you this information in a timely manner, if you request it. Specifically, you have the right to request the following information about each of your child's classroom teachers:

- Whether the teacher meets the state qualifications and licensing criteria for the grades and subjects he or she teaches
- Whether the teacher is teaching under emergency or provisional status because of special circumstances
- The teacher's college major, whether the teacher has any advanced degrees, and the field of discipline of the certification or degree
- Whether paraprofessionals provide services to your child and, if so, their qualifications.

If you would like to receive any of this information, please contact the campus principal at 694-9195.

Intent of this Guide

The provisions and information set forth in this Graduation and Career Planning Guide are intended to be informational and not contractual in nature. The District hereby reserves and retains the right to amend, alter, change, delete, or modify any of the provisions of this guide at any time, from time to time, in any manner that the Administration or the Board of Trustees of the District deems to be in the best interest of the students of this District. The contents of this guide apply to all students and programs in the District and do not amend, abridge, or replace Board policies or administrative regulations established by the District.

Texas Education Agency Graduation Toolkit

Graduation Checklists

8th Grade

- ☐ ***Review*** choices offered under the **Foundation High School Program** and the **endorsements** to decide on your future academic path.
- ☐ ***Select*** the endorsement and CTE Program of Study, if applicable, that best fits your area of personal interest and the major you plan to study in college or the career training you plan to pursue.
- ☐ ***Recognize*** that most college admissions processes value rigorous advanced courses including **Algebra II**, higher-level science courses, and languages other than English.

9th/10th Grade

- ☐ ***Monitor*** high school credits; be sure to meet all **local and state requirements**.
- ☐ ***Take*** **dual credit** or **AP courses** if possible, to earn college credit while still in high school.
- ☐ ***Consider*** CTE courses related to your career interests.
- ☐ ***Keep*** a list of awards, honors, and extracurricular activities for scholarship and college applications.
- ☐ ***Research*** colleges or universities you are interested in attending.
- ☐ ***Check*** admission and application requirements and timelines.
- ☐ ***Consider*** taking SAT/ACT preparation classes.
- ☐ ***Explore*** interests, take advantage of **career exploration** opportunities, and attend site visits during college open house days.
- ☐ ***Attend*** **college nights** hosted by your high school.
- ☐ ***Talk*** with college representatives about academic programs and financial aid available.
- ☐ ***Take*** the preliminary SAT (PSAT)/National Merit Scholarship Qualifying Test in your sophomore year for practice. In your junior year, take the PSAT for eligibility for the National Merit Scholarship Competition. Students who take the PSAT or ACT ASPIRE® tend to score higher on the SAT or ACT than those who do not.

11th/12th Grade

- ☐ ***Sign up*** and take the ACT and/or SAT test preferably in your junior year but no later than the fall of your senior year.
- ☐ ***Take*** **dual credit** or **AP courses** if possible to earn college credit while you are still in high school.
- ☐ ***Visit*** with your counselor or college advisor about available scholarships. Be sure to apply early and for as many scholarships as possible. Do not limit yourself to local scholarships.
- ☐ ***Fill out*** the FAFSA (Free Application for Federal Student Aid) or the TASFA (Texas Application for State Financial Aid) early in the fall of your senior year.
- ☐ ***Apply*** to college during the fall of your senior year.

If you plan to pursue technical training or enter the workforce after graduation, see the Information - Workforce Resources page or visit Texas Reality Check at www.texasrealitycheck.com/.

Texas Education Agency Graduation Toolkit

Graduation Program – *Overview*

Foundation High School Program

The Foundation High School Program is a flexible graduation program that allows all students to pursue their interests and prepare for high-wage, high-skill, and in-demand occupations.

Students may customize their high school experience beyond the Foundation High School Program by completing requirements for additional components such as endorsements, the distinguished level of achievement, and performance acknowledgments.

GRADUATION REQUIREMENTS FOR FOUNDATION PLAN WITH AN ENDORSEMENT

For specific requirements to the Foundation plan, please refer to the information below and to the graduation chart on the pages that follow. This information is subject to change by the Texas Education Agency or the Texas Legislature.

ENGLISH: Four credits required. Credits must consist of English I, II, III, and an advanced English course.

MATH: Three credits are required for graduation under the Foundation Plan. Endorsements also require a **fourth credit** of Math. All students take Algebra I, Geometry, and two advanced Math courses. Three math credits must be earned at the high school, regardless of math credits earned prior to entering 9th grade. **Students should be aware that most colleges require Algebra 2.**

SCIENCE: Three credits are required for graduation under the Foundation Plan. Endorsements also require a **fourth credit** of Science. The credits must consist of a Biology credit, a lab-based course (IPC, Chemistry, Physics, or Principles of Technology) and two advanced Science courses.

SOCIAL STUDIES: Three credits required. Credits must consist of World Geography or World History, United States History, U.S. Government, and Economics. Some Endorsements require four Social Studies credits. **Students should be aware some colleges still require four credits.**

PHYSICAL EDUCATION: One credit required. Education equivalencies may fulfill this requirement, i.e. Marching Band (fall semester), NJROTC, Athletics, Athletic Trainer, Cheerleading (fall semester), Drill Team and certain approved outside physical education activities. Marching Band, NJROTC and Cheerleading will only substitute for up to one credit of P.E. See your counselor for details. Physical Education courses are graded on a Pass/Fail basis.

FINE ARTS: One credit required. Students may choose from Art, Theater Arts, Band, or Choir.

TECHNOLOGY APPLICATIONS: One Credit required. Possible courses include Business Information Management I, Computer Science, OnRamps Computer Science, Principles of Information Technology, Web Technology, Principles of Art, Audio/Visual Technology and Communication, or other computer-based courses as approved by the Flour Bluff Independent School Board for Technology Applications credit.

SPEECH: One-half credit required. Both Professional Communications and Communication Applications will fulfill the speech requirement for graduation.

FOREIGN LANGUAGE: Two credits required in the same language. Choices include Spanish, American Sign Language, French, or Computer Science Programming. **Students should be aware some colleges will not accept Computer Science as a Foreign Language.**

ELECTIVES: Four and one-half credits required. These courses should be in the area of interest to the student to further establish their career pathway.

ENDORSEMENTS: Each student is required to declare an endorsement from the following: Science, Technology, Engineering, and Math (STEM), Public Service, Business and Industry, Arts and Humanities, or Multidisciplinary Studies. All Endorsements require a fourth Math and Science course.

Additional courses may be required for students to complete their pathway. Students should select courses that will advance their career pathways and support obtaining admission to an institute of higher education or a certificate/license to become employable in the workforce. See Endorsement fields on pages 15-16.

ADDITIONAL GRADUATION REQUIREMENTS: In addition to passing all required STAAR End of Course (EOC) Exams, the state of Texas requires all graduating Seniors to complete courses in CPR training and Peace Officer Interaction as well as the Free Application for Federal Student Aid (FAFSA) for college financial assistance. These requirements will be done in conjunction with student's classes prior to graduation.

Texas Education Agency Graduation Toolkit

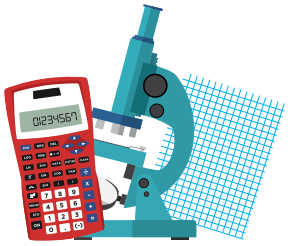
Endorsement Options – *Choices*

Endorsements

Students may earn one or more endorsements as part of their high school diploma. An endorsement consists of a sequence of courses that are grouped together by interest or occupational skill. They provide students with in-depth knowledge of a subject area or a high-wage, high-skill, and in-demand occupation. Every career and technical education (CTE) Program of Study leads to an endorsement.

Students earn an endorsement by completing four credits each in both math and science, two additional elective credits, and the curriculum requirements for the endorsement.

Students can choose from five endorsement areas which include:



Science, Technology, Engineering, and Mathematics (STEM)

(a sequence of courses in one of the following areas or a combination of courses from no more than two areas)

- CTE STEM courses or an approved STEM-related Program of Study*
- Mathematics
- Science

*** For more information, visit** https://bit.ly/2YF42Uq

Business and Industry

(a sequence of courses in one of the following areas or a combination of courses from no more than two areas)

- CTE business and industry-related Programs of Study*
- Agriculture, food and natural resources
- Architecture and construction
- Arts, audio-video technology, and communications
- Business management and administration
- English electives in public speaking, debate, advanced broadcast journalism, and advanced journalism, including newspaper and yearbook
- Information technology
- Finance
- Hospitality and tourism
- Manufacturing
- Marketing
- Transportation, distribution, and logistics

*** For more information, visit** https://bit.ly/2YF42Uq

Students must select an endorsement upon entry into the ninth grade. Districts and charter schools are not required to offer all endorsements. If only one endorsement is offered, it must be multidisciplinary studies.

A student may graduate without earning an endorsement, if, after the student's sophomore year, the student's parent signs a waiver permitting the student to graduate without earning an endorsement.

Public Service

(a sequence of courses in one of the following areas)

- CTE public-service-related Programs of Study*
- Human services
- Law, public safety, corrections, and security
- Health science
- Education and training
- Government and public administration
- Junior Reserve Officer Training Corps (JROTC)

*** For more information, visit https://bit.ly/2YF42Uq**

Arts and Humanities

(one of the following)

- Two levels each in two languages other than English (LOTE)
- Four levels in the same LOTE
- Courses from one or two disciplines in fine arts (music, theater, art, dance, or film)
- English electives not included in the business and industry endorsement
- Social studies
- American Sign Language (ASL)

Multidisciplinary Studies

(one of the following)

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

*Students may earn more than one endorsement.

Visit your school counselor to learn more about your options.

Distinguished Level of Achievement

Choices Determine Options

Most of the high-skill, high-wage, and in-demand jobs available now and in the future require education and training beyond a high school diploma. Whether you intend to pursue an industry workforce credential from a community or technical college or a traditional four-year degree from a university, the choices you make in high school will determine your future options.

To best prepare yourself now for the transition to postsecondary education and career entrance, choosing and taking the right classes is essential.

Distinguished Level of Achievement

The distinguished level of achievement requires:

- A total of four credits in math, including Algebra II;
- A total of four credits in science; and
- Successful completion of an endorsement in your 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.

Why it matters — *Benefits*

The distinguished level of achievement opens a world of educational and employment opportunities for you beyond high school. The distinguished level of achievement does the following:

- **Allows you to compete for Top 10% automatic admissions eligibility at almost any Texas public university;**
- **Makes you a more competitive applicant at selective colleges and universities;**
- **Prepares you for college-level coursework at community/technical colleges and universities;**
- **Lays a strong foundation for successful completion of an industry workforce credential or college degree.**

* The University of Texas at Austin can limit automatic admission to fewer students than the top 10%. Check with your counselor to learn about the percent of students eligible for automatic admission at UT Austin.

Performance Acknowledgments

Performance Acknowledgments note outstanding achievement in specific areas. These distinctions will be included in your high school transcript and better position you for successful entry into college and/or the workforce.

Performance Acknowledgments Areas

- dual credit courses
- bilingualism and biliteracy
- PSAT, ACT ASPIRE®, SAT, or ACT
- Advanced Placement or International Baccalaureate exams
- State-, nationally- or internationally-recognized business or industry certification or license

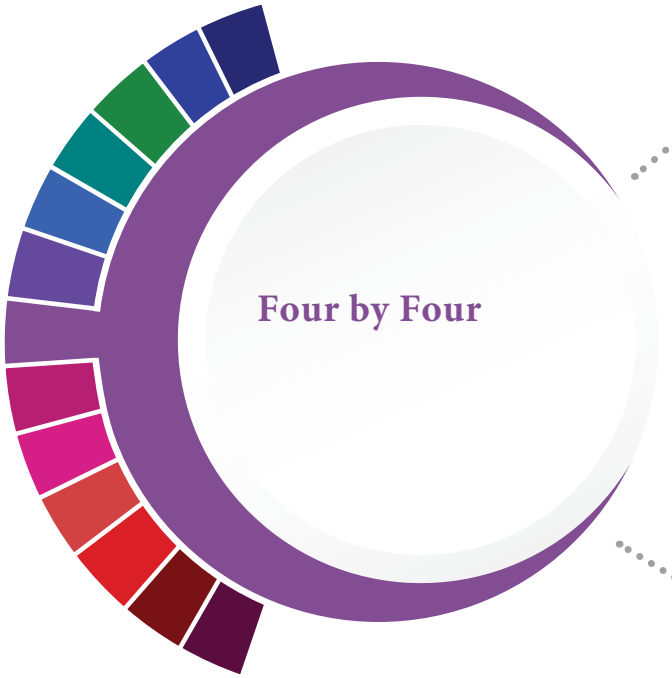
Pathways Initiatives

One strategic priority for the Texas Education Agency is connecting high school to career and college. TEA works closely with the Texas Higher Education Coordinating Board (THECB) and the Texas Workforce Commission (TWC) through a collaborative tri-agency initiative to boost college and career readiness in the development of high-quality college and career pathways. TEA's Pathways team is charged with supporting districts in creating strong pathways to higher wages and high-demand careers.

What are Pathways?

Pathways ensure that students are prepared for success in college and careers in higher wage, in-demand fields. Pathways provide a framework that local education agencies (LEAs) can use to work with postsecondary institutions, businesses, and industries to better understand the knowledge and resources needed to prepare students for life after high school. Pathways are not an add-on program or new reform, but are designed to work within current systems, structures, and budgets. They are a strategy for aligning and leveraging existing programs, including the Foundation High School Program. College and career pathways are a key strategy for schools and districts to prepare all students to succeed after high school and expand the education and employment options available to Texas students. Students in pathways take academically rigorous classes, explore a range of occupations, identify professional interests, build valuable skills, and feel empowered to make informed decisions about their education and future careers.

The next section contains 34 Pathway Course Sequences providing options for regular, Advanced, Advanced Placement® (AP®), Dual Credit (DC) and OnRamps classes. Pending credits earned, many courses in the following sequences may be taken in a different order. These sequences are meant to be a guideline of the order of courses. Some students may be able to take dual credit classes sooner than others due to the high school credit courses earned in 7th and 8th grade. On average, 95% of our students leave a Junior High or Middle School with high school credits already on their transcript.



COURSES

LEVEL 1

English
Math
Science
Social Studies

LEVEL 2

English
Math
Science
Social Studies

LEVEL 3

English
Math
Science
Social Studies

LEVEL 4

English
Math
Science
Social Studies

4 X 4 Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ Advanced English 1
- ❑ World Geography/ MAPS
- ❑ Advanced World Geography/MAPS
- ❑ Biology
- ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Technology Application
- ❑ Fine Art
- ❑ Elective _____
- ❑ PE
- ❑ NJROTC
- ❑ Athletics
- ❑ Marching Band

Sophomore Year

- ❑ English 2
- ❑ Advanced English 2
- ❑ World History
- ❑ Advanced World History
- ❑ Lab Science
- ❑ Advanced Lab Science
- ❑ Math (at the next level)
- ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Professional Communications/elective
- ❑ Elective _____
- ❑ Elective _____

Junior Year

- ❑ English 3
- ❑ AP English 3
- ❑ DC English 3
- ❑ US History
- ❑ AP US History
- ❑ DC US History
- ❑ 3rd Science
- ❑ Advanced 3rd Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC College Algebra
- ❑ Elective _____
- ❑ Elective _____
- ❑ Elective _____

Senior Year

- ❑ English 4
- ❑ AP English 4
- ❑ DC English 4
- ❑ Government/Economics
- ❑ AP Govt/Economics
- ❑ DC Govt/DC Econ
- ❑ 4th Science
- ❑ Advanced 4th Science
- ❑ DC Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC Math
- ❑ Elective _____
- ❑ Elective _____
- ❑ Elective _____

COURSES

LEVEL 1

Principles of Business, Marketing, and Finance
Money Matters
Business Information Management I/Lab

LEVEL 2

Accounting I Del Mar
Financial Mathematics Del Mar

LEVEL 3

Accounting II Del Mar
Financial Analysis Del Mar
Insurance Operations Del Mar

LEVEL 4

Practicum in Business Management Del Mar

POSTSECONDARY OPTIONS

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

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Accountants and Auditors	$71,469	14,436	22%
Loan Officers	$68,598	2,419	19%
Personal Financial Advisors	$86,965	1,861	52%
Administrative Service Managers	$96,138	2,277	21%
Insurance Underwriters	$66,206	594	14%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities: Business Professionals of America (BPA), Future Business Leaders of America (FBLA), and DECA

Work Based Learning Activities: Internship with local accounting firm; Microsoft Office Specialist (MOS) certifications

The Accounting and Financial Services program of study teaches CTE concentrators how to examine, analyze, and interpret financial records. Through this program of study, students will learn the skills necessary to perform financial services, prepare financial statements, interpret accounting records, give advice, or audit and evaluate statements prepared by others. This program of study will also introduce students to mathematical modeling tools.

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

Successful completion of the Accounting & Financial Services program of study will fulfill requirements of the Business and Industry Endorsement.

Approved Statewide Program of Study - September 2019

Accounting and Financial Services Course Sequence

Credits from Junior High (Please check all that you have earned)

❑ Algebra 1
❑ Geometry
❑ Spanish 1
❑ Spanish 2
❑ Speech
❑ Health
❑ Business Information Systems Management
❑ Art 1
❑ Theatre Arts 1
❑ Other _____

Freshman Year

❑ English 1 ❑ Advanced English 1
❑ World Geography/MAPS ❑ Advanced World Geography/MAPS
❑ Biology ❑ Advanced Biology
❑ Math _____
❑ 1st Year Foreign Language ❑ 2nd Year Foreign Language ❑ Elective _____
❑ Technology Application ❑ Fine Art course ❑ Elective _____
❑ PE ❑ NJROTC ❑ Athletics ❑ Marching Band

Sophomore Year

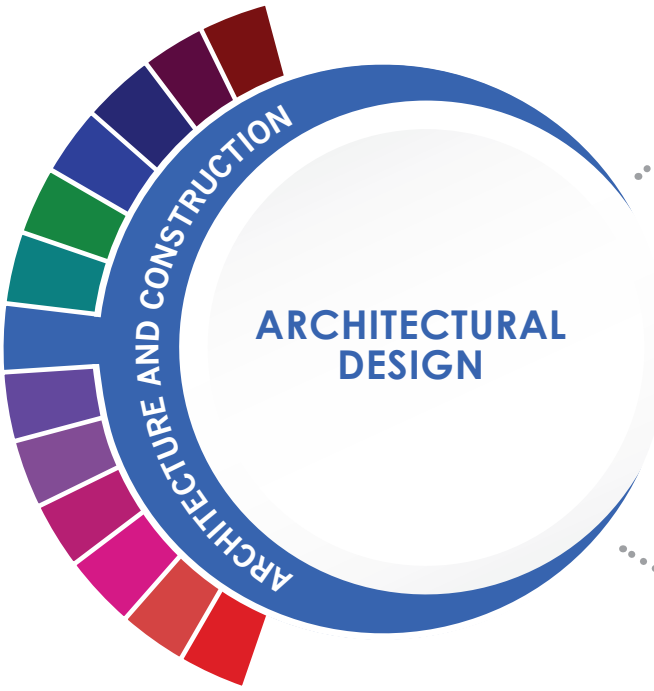
❑ English 2 ❑ Advanced English 2
❑ World History ❑ Advanced World History
❑ Lab Science ❑ Advanced Lab Science
❑ Math (at the next level) ❑ Advanced Math (at the next level)
❑ 2nd Year Foreign Language ❑ Elective _____
❑ Principles of Business, Marketing and Finance ❑ Money Matters
❑ Professional Communication/other elective ❑ Elective _____

Junior Year

❑ English 3 ❑ AP English 3 ❑ DC English 3
❑ US History ❑ AP US History ❑ DC US History
❑ 3rd Science ❑ Advanced 3rd Science
❑ Math ❑ Advanced Math ❑ DC College Algebra
❑ DC Accounting I/DC Accounting II **(2 pds and transport to DMC)**

Senior Year

❑ English 4 ❑ AP English 4 ❑ DC English 4
❑ Government/Economics ❑ AP Govt/Economics ❑ DC Govt/DC Economics
❑ 4th Science ❑ Advanced 4th Science ❑ DC Science
❑ Math ❑ Advanced Math ❑ DC Math
❑ DC Financial Math/ DC Practicum in Business Management **(2 pds and transport to DMC)**



COURSES

LEVEL 1

Principles of Architecture

LEVEL 2

Architectural Design I
Interior Design I
Computer Aided Drafting for Architecture (TBD)

LEVEL 3

Architectural Design II
Interior Design II
Civil Engineering and Architecture (PLTW)

LEVEL 4

Practicum in Architectural Design
Career Preparation I

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

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Architects	$77,043	808	16%
Geographic Information Analysts and Surveyors	$58,926	162	27%
Architectural/ Civil Drafters	$50,170	1,068	9%
Civil Engineers	$89,960	2,394	12%
Construction Managers	$87,402	2,401	14%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Shadow an architect, interior designer, or civil engineer.
SkillsUSA

Work Based Learning Activities:
Intern at an architecture firm.

The Architectural Design program of study explores the occupations and educational opportunities associated with developing, engineering, and designing building structures and facilities. This program of study may also include exploration into collecting and interpreting geographic information, researching and preparing maps, and interior design.

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

Successful completion of the Construction Design program of study will fulfill requirements of the Business and Industry Endorsement.
Approved Statewide Program of Study - September 2019

Architectural Design Course Sequence

Credits from Junior High (Please check all that you have earned)

❑ Algebra 1
❑ Geometry
❑ Spanish 1
❑ Spanish 2
❑ Speech
❑ Health
❑ Business Information Systems Management
❑ Art 1
❑ Theatre Arts 1
❑ Other _____

Freshman Year

❑ English 1 ❑ Advanced English 1
❑ World Geography/MAPS ❑ Advanced World Geography/MAPS
❑ Biology ❑ Advanced Biology
❑ Math _____
❑ 1st Year Foreign Language ❑ 2nd Year Foreign Language ❑ Elective _____
❑ Technology Application ❑ Fine Art course ❑ Elective _____
❑ PE ❑ NJROTC ❑ Athletics ❑ Marching Band

Sophomore Year

❑ English 2 ❑ Advanced English 2
❑ World History ❑ Advanced World History
❑ Lab Science ❑ Advanced Lab Science
❑ Math (at the next level) ❑ Advanced Math (at the next level)
❑ 2nd Year Foreign Language ❑ Elective _____
❑ DC Principles of Architecture **(Online)** ❑ Elective _____
❑ Professional Communication/other elective ❑ Elective _____

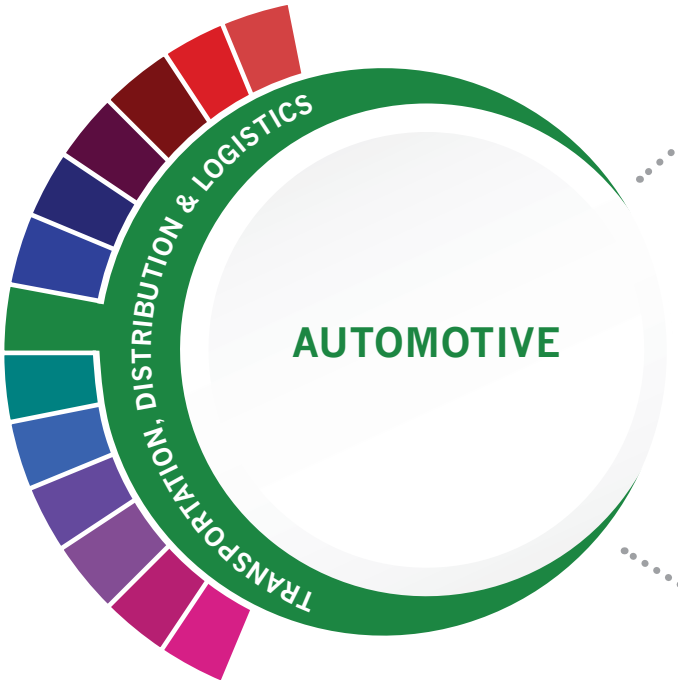
Junior Year

❑ English 3 ❑ AP English 3 ❑ DC English 3
❑ US History ❑ AP US History ❑ DC US History
❑ 3rd Science ❑ Advanced 3rd Science
❑ Math ❑ Advanced Math ❑ DC College Algebra
❑ ***DC Architectural Design I/ DC Architectural Design II **(2 pds and transport to DMC)**

Senior Year

❑ English 4 ❑ AP English 4 ❑ DC English 4
❑ Government/Economics ❑ AP Govt/Economics ❑ DC Govt/DC Economics
❑ 4th Science ❑ Advanced 4th Science ❑ DC Science
❑ Math ❑ Advanced Math ❑ DC Math
❑ DC Practicum in Arch Design **(2 pds and transport to DMC)** ❑ Elective _____

***Alternative programs – DC Interior Design I and II or DC Computer Aided Drafting and DC Civil Engineering**



COURSES

LEVEL 1

Principles of Transportation Systems
Small Engine Technology I

LEVEL 2

Automotive Basics
Introduction to Transportation Technology
Small Engine Technology II

LEVEL 3

Automotive Technology I
Energy and Power of Transportation Systems

LEVEL 4

Automotive Technology II/Lab
Practicum in Transportation Systems

POSTSECONDARY OPTIONS

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

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Automotive Body and Related Repairers	$40,144	1,456	25%
Automotive Service Technician and Mechanics	$38,459	208	25%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
SkillsUSA competition
Automotive Service Association

Work Based Learning Activities:
Work at a local automotive repair or body shop.

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

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

Successful completion of the Automotive program of study will fulfill requirements of the Business and Industry Endorsement.

Approved Statewide Program of Study - September 2019

Automotive Course Sequence

Credits from Junior High (Please check all that you have earned)

❑ Algebra 1
❑ Geometry
❑ Spanish 1
❑ Spanish 2
❑ Speech
❑ Health
❑ Business Information Systems Management
❑ Art 1
❑ Theatre Arts 1
❑ Other _____

Freshman Year

❑ English 1 ❑ Advanced English 1
❑ World Geography/ MAPS ❑ Advanced World Geography/MAPS
❑ Biology ❑ Advanced Biology
❑ Math _____
❑ 1st Year Foreign Language ❑ 2nd Year Foreign Language ❑ Elective _____ ❑ Technology Apps ❑Fine Art ❑ Elective _____
❑ PE ❑ NJROTC ❑ Athletics ❑ Marching Band

Sophomore Year

❑ English 2 ❑ Advanced English 2
❑ World History ❑ Advanced World History
❑ Lab Science ❑ Advanced Lab Science
❑ Math (at the next level) ❑ Advanced Math (at the next level)
❑ 2nd Year Foreign Language ❑ Prof Comm/other elective ❑ Elective _____
❑ *DC Small Engine Technology I/DC Small Engine Technology II
(3 pds and transport to DMC)

Junior Year

❑ English 3 ❑ AP English 3 ❑ DC English 3
❑ US History ❑ AP US History ❑ DC US History
❑ 3rd Science ❑ Advanced 3rd Science
❑ Math ❑ Advanced Math ❑ DC College Algebra
❑ DC Automotive Technology I/DC Automotive Technology II
(3 pds and transport to DMC)

Senior Year

❑ English 4 ❑ AP English 4 ❑ DC English 4
❑ Government/Economics ❑ AP Govt/Econ ❑ DC Govt/DC Economics
❑ 4th Science ❑ Advanced 4th Science ❑ DC Science
❑ Math for Tech ❑ Advanced Math ❑ DC Math
❑ DC Practicum in Transportation Systems **(3 pds and transport to DMC)**

***Alternative program – DC Principles of Transportation/DC Automotive Basics or DC Intro to Transportation**

COURSES

LEVEL 1

Introduction to Aircraft Technology

LEVEL 2

Occupational Safety and Environmental Technology I

LEVEL 3

Aircraft Airframe Technology/Lab

LEVEL 4

Aircraft Powerplant Technology/Lab
Practicum in Transportation Systems

POSTSECONDARY OPTIONS

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Aerospace Manufacturing Certification	Avionics Electronics Technician	Avionics Maintenance Technology/ Technician	Airframe Mechanics and Aircraft Maintenance Technology/ Technician	
	Aircraft Electronics Technician	Aircraft Powerplant Technology/ Technician		
	Aerospace/ Aircraft Assembly Maintenance Certification	Airframe Mechanics and Aircraft Maintenance Technology/ Technician		

*Includes Level I and II Certificates

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Aircraft Mechanics and Technicians	$58,698	1,469	9%
Avionics Technicians	$59,114	170	9%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Participate in SkillsUSA
Explore virtual aviation websites.

Work Based Learning Activities:
Seek part-time work at an airport, aviation services agency, or airline.

The Aviation Maintenance program of study introduces students to the occupations and education opportunities related to inspecting aircraft, maintenance procedures, air navigational aids, air traffic controls, and communications equipment to ensure conformance with federal safety regulations.

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

Successful completion of the Aviation program of study will fulfill requirements of the Business and Industry Endorsement.

Approved Statewide Program of Study - September 2019

Texas Education Agency

Aviation Maintenance Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ World Geography/ MAPS
- ❑ Biology
- ❑ Math _____
- ❑ Advanced English 1
- ❑ Advanced World Geography/MAPS
- ❑ Advanced Biology
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Technology Application
- ❑ Fine Art _____
- ❑ Elective _____
- ❑ PE
- ❑ NJROTC
- ❑ Athletics
- ❑ Marching Band

Sophomore Year

- ❑ English 2
- ❑ World History
- ❑ Lab Science
- ❑ Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Professional Communication/elective
- ❑ Elective _____
- ❑ Advanced English 2
- ❑ Advanced World History
- ❑ Advanced Lab Science
- ❑ Advanced Math (at the next level)
- ❑ Elective _____
- ❑ Elective _____

Junior Year

- ❑ English 3
- ❑ US History
- ❑ 3rd Science
- ❑ Math
- ❑ AP English 3
- ❑ AP US History
- ❑ Advanced 3rd Science
- ❑ Advanced Math
- ❑ DC English 3
- ❑ DC US History
- ❑ College Algebra
- ❑ DC Introduction to Aircraft Technology/DC Occupational Safety & Environmental Tech I **(3 pds and transport to DMC)**

Senior Year

- ❑ English 4
- ❑ Government/Economics
- ❑ 4th Science
- ❑ Math
- ❑ AP English 4
- ❑ AP Govt/Economics
- ❑ Advanced 4th Science
- ❑ Advanced Math
- ❑ DC English 4
- ❑ DC Government/Economics
- ❑ DC Science
- ❑ College Algebra
- ❑ DC Aircraft Airframe Technology/DC Aircraft Powerplant Technology or DC Practicum in Transportation System **(3 pds and transport to DMC)**

COURSES

LEVEL 1

Principles of Business, Marketing, and Finance
Business Information Management I/Lab

LEVEL 2

Business Law
Virtual Business
Business Information Management II/Lab

LEVEL 3

Business Management
Global Business
Human Resources Management

LEVEL 4

Statistics and Business Decision Making
Practicum in Business Management
Practicum in Entrepreneurship (TBD)
Career Preparation I

POSTSECONDARY OPTIONS

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

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Administrative Service Managers	$96,138	2,277	21%
Management Analysts	$87,651	4,706	32%
General and Operations Managers	$107,640	18,679	20%
Operations Research Analysts	$78,083	1,128	38%
Supervisors of Administrative Support Workers	$57,616	14,982	20%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities: Business Professionals of America (BPA), Future Business Leaders of America (FBLA), and DECA

Work Based Learning Activities: Internship with local business or chamber of commerce;

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

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

Successful completion of the Business Management program of study will fulfill requirements of the Business and Industry Endorsement.

Approved Statewide Program of Study - September 2019

Business Management Course Sequence

Credits from Junior High (Please check all that you have earned)

❑ Algebra 1
❑ Geometry
❑ Spanish 1
❑ Spanish 2
❑ Speech
❑ Health
❑ Business Information Systems Management
❑ Art 1
❑ Theatre Arts 1
❑ Other _____

Freshman Year

❑ English 1 ❑ Advanced English 1
❑ World Geography/MAPS ❑ Advanced World Geography/MAPS
❑ Biology ❑ Advanced Biology
❑ Math _____
❑ 1st Year Foreign Language ❑ 2nd Year Foreign Language ❑ Elective _____
❑ BIM I ❑ Fine Art course ❑ Elective _____
❑ PE ❑ NJROTC ❑ Athletics ❑ Marching Band

Sophomore Year

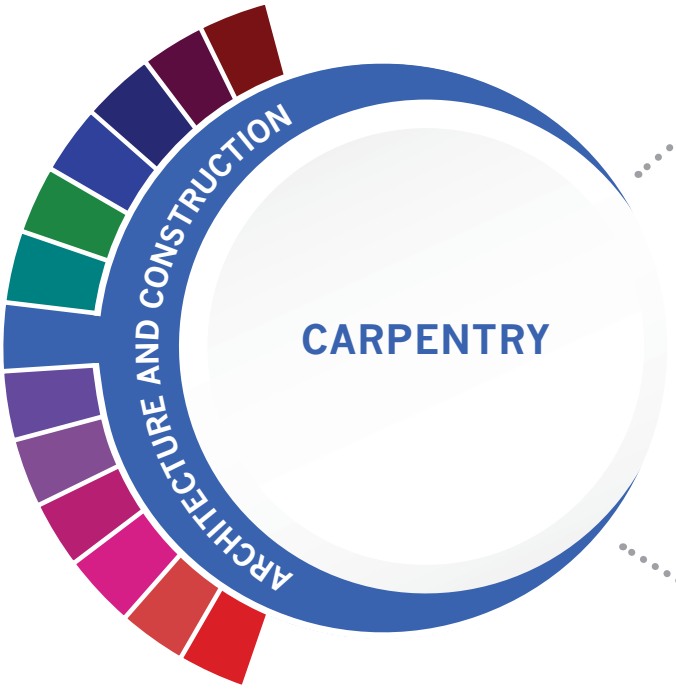
❑ English 2 ❑ Advanced English 2
❑ World History ❑ Advanced World History
❑ Lab Science ❑ Advanced Lab Science
❑ Math (at the next level) ❑ Advanced Math (at the next level)
❑ 2nd Year Foreign Language ❑ Elective _____
❑ Principles of Business, Marketing and Finance ❑ DC BIM II/DC Bus Principles
❑ Professional Communication/other elective ❑ Elective _____

Junior Year

❑ English 3 ❑ AP English 3 ❑ DC English 3
❑ US History ❑ AP US History ❑ DC US History
❑ 3rd Science ❑ Advanced 3rd Science
❑ Math ❑ DC College Algebra/DC Statistics
❑ DC Business Management

Senior Year

❑ English 4 ❑ AP English 4 ❑ DC English 4
❑ Government/Economics ❑ AP Govt/Economics ❑ DC Govt/DC Economics
❑ 4th Science ❑ Advanced 4th Science ❑ DC Science
❑ Math ❑ DC Business Math
❑ DC Practicum in Business Management (3 pds at DMC)



COURSES

LEVEL 1
Principles of Construction

LEVEL 2
Construction Technology I

LEVEL 3
Construction Technology II

LEVEL 4
Practicum in Construction Technology

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

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Carpenters	$35,922	5,031	26%
Cost Estimators	$63,939	2,239	21%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Shadow a carpenter or millwright.
SkillUSA

Work Based Learning Activities:
Obtain an NCCER certification in Millwright Level 1 or Carpentry Level 1.

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

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

Successful completion of the Carpentry program of study will fulfill requirements of the Business and Industry Endorsement.
Approved Statewide Program of Study - September 2019

Carpentry Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ Advanced English 1
- ❑ World Geography/ MAPS
- ❑ Advanced World Geography/MAPS
- ❑ Biology
- ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Technology Application
- ❑ Fine Art _____
- ❑ Elective _____
- ❑ Principles of Construction

Sophomore Year

- ❑ English 2
- ❑ Advanced English 2
- ❑ Lab Science
- ❑ Advanced Lab Science
- ❑ Math (at the next level)
- ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ PE ❑ NJROTC
- ❑ Athletics
- ❑ Marching Band
- ❑ Construction Technology I **(2 pds)**

Junior Year

- ❑ English 3
- ❑ AP English 3
- ❑ DC English 3
- ❑ US History
- ❑ AP US History
- ❑ DC US History
- ❑ 3rd Science
- ❑ Advanced 3rd Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC College Algebra
- ❑ DC Construction Technology II **(2 pds)**
- ❑ Elective _____

Senior Year

- ❑ English 4
- ❑ AP English 4
- ❑ DC English 4
- ❑ Government/Economics
- ❑ AP Government/Econ
- ❑ DC Govt/DC Economics
- ❑ 4th Science
- ❑ Advanced 4th Science
- ❑ DC Science
- ❑ Math for Tech
- ❑ Advanced Math
- ❑ DC Math
- ❑ DC Practicum in Construction Tech **(2 pds)**

COURSES

LEVEL 1

Principles of Construction

LEVEL 2

Construction Management I Del Mar

LEVEL 3

Construction Management II Del Mar

LEVEL 4

Practicum in Construction Management

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
NCCER Construction Technology	Code Enforcement Officer, Texas Department of Health Code Enforcement	Construction Engineering Technology/Technician		Materials Engineering
NCCER Core Curriculum	Certified Cost Estimator/ Analyst	Business Administration and Management, General		
OSHA 30 Hour Construction	Certified Professional Estimator	Mechanical Engineering		
NCCER Construction Site Safety Technician	Structural Masonry Special Inspector	Business/Commerce, General		Manufacturing Engineering

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Construction and Building Inspectors	$53,914	983	17%
Cost Estimators	$53,939	2,239	21%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Shadow a building inspector or cost estimator
SkillsUSA

Work Based Learning Activities:
Intern with a construction company shadowing project managers or inspectors

The Building Codes and Inspection program of study explores the occupations and educational opportunities associated with cost estimates for construction projects or services to aid management in bidding on or determining the price of products or services. This program of study may also include exploration into inspecting structures using engineering skills to determine structural soundness and compliance with specifications, building codes, and other regulations.

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

Successful completion of the Building Codes and Inspection program of study will fulfill requirements of the Business and Industry Endorsement.

Approved Statewide Program of Study - September 2019

Construction Management & Inspection Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ Advanced English 1
- ❑ World Geography/MAPS
- ❑ Advanced World Geography/MAPS
- ❑ Biology
- ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Technology Application
- ❑ Fine Art course
- ❑ Elective _____
- ❑ Principles of Construction

Sophomore Year

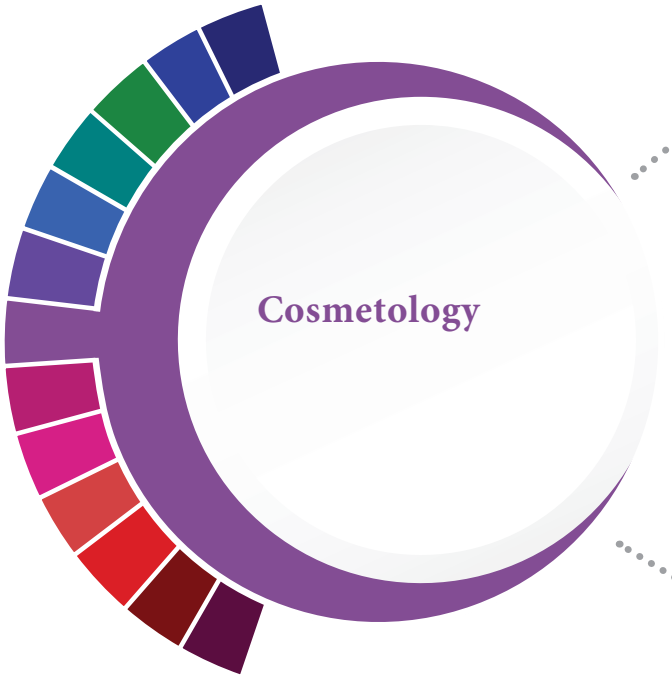
- ❑ English 2
- ❑ Advanced English 2
- ❑ World History
- ❑ Advanced World History
- ❑ Lab Science
- ❑ Advanced Lab Science
- ❑ Math (at the next level)
- ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Professional Communication/elective
- ❑ Elective _____
- ❑ PE
- ❑ NJROTC
- ❑ Athletics
- ❑ Marching Band

Junior Year

- ❑ English 3
- ❑ AP English 3
- ❑ DC English 3
- ❑ US History
- ❑ AP US History
- ❑ DC US History
- ❑ 3rd Science
- ❑ Advanced 3rd Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC College Algebra
- ❑ DC Construction Mgmt 1 **(2 pds and transport to DMC)**

Senior Year

- ❑ English 4
- ❑ AP English 4
- ❑ DC English 4
- ❑ Government/Economics
- ❑ AP Govt/Economics
- ❑ DC Govt/DC Economics
- ❑ 4th Science
- ❑ Advanced 4th Science
- ❑ DC Science
- ❑ Math for Tech
- ❑ Advanced Math
- ❑ DC Math
- ❑ DC Constr Management II/DC Practicum in Construction Mgt **(2 pds and transport to DMC)**



COURSES

LEVEL 1

Principles of Cosmetology
Microbiology and Safety
for Cosmetology

LEVEL 2

Introduction to Cosmetology
Nail care Enhancements and Spa Services
Esthetics

LEVEL 3

Cosmetology 1
Barbering 1

LEVEL 4

Cosmetology 2
Barbering 2

Cosmetology Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ Advanced English 1
- ❑ World Geography/ MAPS
- ❑ Advanced World Geography/MAPS
- ❑ Biology
- ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Technology Application
- ❑ Fine Arts
- ❑ Prof Communication/Elective
- ❑ PE
- ❑ NJROTC
- ❑ Athletics
- ❑ Marching Band

Sophomore Year

- ❑ English 2
- ❑ Advanced English 2
- ❑ Lab Science
- ❑ Advanced Lab Science
- ❑ Math (at the next level)
- ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Professional Communications/Elective
- ❑ DC Introduction to Cosmetology/Principles of Cosmetology **(2 pds and transport to DMC)**

Junior Year

- ❑ English 3
- ❑ AP English 3
- ❑ DC English 3
- ❑ US History
- ❑ AP US History
- ❑ DC US History
- ❑ 3rd Science
- ❑ Advanced 3rd Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC College Algebra
- ❑ DC Cosmetology I_____ **(2 pds and transport to DMC)**

Senior Year

- ❑ English 4
- ❑ AP English 4
- ❑ DC English 4
- ❑ Government/Economics
- ❑ AP Govt/Economics
- ❑ DC Govt/DC Economics
- ❑ 4th Science
- ❑ Advanced 4th Science
- ❑ DC Science
- ❑ Math for Tech
- ❑ Advanced Math
- ❑ DC Math
- ❑ DC Cosmetology II _____ **(2 pds and transport to DMC)**

COURSES

LEVEL 1
Introduction to Culinary Arts

LEVEL 2
Culinary Arts

LEVEL 3
Advanced Culinary Arts

LEVEL 4
Practicum in Culinary Arts

POSTSECONDARY OPTIONS

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

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Food Service Managers	$55,619	1,561	28%
Chef and Head Cooks	$43,285	1,366	25%
Food Science Technicians	$34,382	236	11%
Food and Beverage Managers	$55,619	1,561	28%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:

Family, Career, Community Leaders of America (FCCLA), SkillsUSA, American Culinary Federation,Texas Restaurant Association

Work Based Learning Activities:

Plan a catering event or work for a catering company; participate in a cooking course; work in a restaurant; cook at home

The Culinary Arts program of study introduces students to occupations and educational opportunities related to the planning, directing, or coordinating activities of a food and beverage organization or department. This program of study also explores opportunities involved in directing and participating in the preparation and cooking of food.

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

Successful completion of the Culinary Arts program of study will fulfill requirements of the Business and Industry Endorsement.
Approved Statewide Program of Study - September 2019

Texas Education Agency

Culinary Arts Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ Advanced English 1
- ❑ World Geography/ MAPS
- ❑ Advanced World Geography/MAPS
- ❑ Biology
- ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Technology Application
- ❑ Fine Art _____
- ❑ Elective _____
- ❑ Professional Communication/elective
- ❑ Elective _____

Sophomore Year

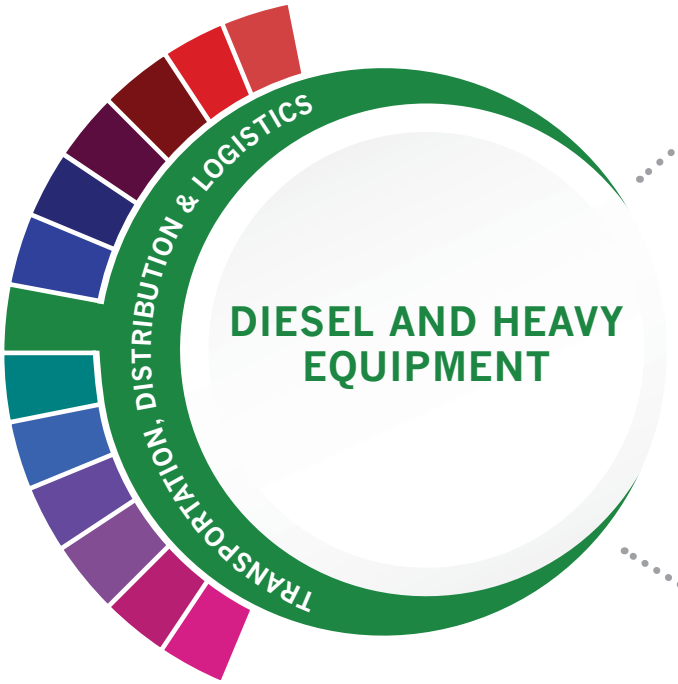
- ❑ English 2
- ❑ Advanced English 2
- ❑ World History
- ❑ Advanced World History
- ❑ US History
- ❑ Lab Science
- ❑ Advanced Lab Science
- ❑ Math (at the next level)
- ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ PE
- ❑ NJROTC
- ❑ Athletics
- ❑ Marching Band
- ❑ Elective _____

Junior Year

- ❑ English 3
- ❑ AP English 3
- ❑ DC English 3
- ❑ US History
- ❑ Culinary Arts
- ❑ 3rd Science
- ❑ Advanced 3rd Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC College Algebra
- ❑ DC Introduction to Culinary Arts/DC Culinary Arts **(3 pds and transport to DMC)**

Senior Year

- ❑ English 4
- ❑ AP English 4
- ❑ DC English 4
- ❑ Government/Economics
- ❑ AP Govt/Economics
- ❑ DC Govt/DC Economics
- ❑ 4th Science
- ❑ Advanced 4th Science
- ❑ DC Science
- ❑ Math for Tech
- ❑ Advanced Math
- ❑ DC Math
- ❑ DC Advanced Culinary Arts/DC Practicum in Culinary Arts **(3 pds and transport to DMC)**



COURSES

LEVEL 1

Introduction to Transportation Technology
Principles of Transportation Systems

LEVEL 2

Diesel Equipment Technology I
Occupational Safety and Environmental Technology I

LEVEL 3

Diesel Equipment Technology II/Lab

LEVEL 4

Practicum in Transportation Systems

POSTSECONDARY OPTIONS

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
ASE Medium/ Heavy Truck Technician, Brakes (T4)	Engine Machinist Technician	Diesel Mechanics Technology/ Technician		
ASE Medium/Heavy Truck Technician, Diesel Engines (T2)	Light Vehicle Diesel Engines	Medium/Heavy Vehicle and Truck Technology/ Technician		
ASE Medium/Heavy Truck Technician, Drive Train (T3) - Professional	Transit Bus Technician	Heavy Equipment Maintenance Technology/ Technician		
ASE Medium/ Heavy Truck Technician, Electrical/ Electronic Systems (T6)	Fluid Power Mechanic			

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Bus and Truck Mechanics and Diesel Engine Specialists	$44,574	3,150	21%
Mobile Heavy Equipment Mechanics, Except Engines	$47,299	1,627	16%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Participate in SkillsUSA

Work Based Learning Activities:
Volunteer or work part-time for a repair shop that works on engines

The Diesel and Heavy Equipment program of study teaches students to diagnose, repair, modify, or redo mechanical and hydraulic equipment on crane, bulldozer, grader, conveyor, construction equipment, bus, and truck diesel engines.

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

Successful completion of the Diesel and Heavy Equipment program of study will fulfill requirements of the Business and Industry Endorsement.

Approved Statewide Program of Study - September 2019

Texas Education Agency

Diesel & Heavy Equipment Course Sequence

Credits from Junior High (Please check all that you have earned)

❑ Algebra 1
❑ Geometry
❑ Spanish 1
❑ Spanish 2
❑ Speech
❑ Health
❑ Business Information Systems Management
❑ Art 1
❑ Theatre Arts 1
❑ Other _____

Freshman Year

❑ English 1 ❑ Advanced English 1
❑ World Geography/ MAPS ❑ Advanced World Geography/MAPS
❑ Biology ❑ Advanced Biology
❑ Math _____
❑ 1st Year Foreign Language ❑ 2nd Year Foreign Language ❑ Elective _____
❑ Technology Application ❑ Fine Art _____ ❑ Elective _____
❑ PE ❑ NJROTC ❑ Athletics ❑ Marching Band

Sophomore Year

❑ English 2 ❑ Advanced English 2
❑ World History ❑ Advanced World History ❑ US History
❑ Lab Science ❑ Advanced Lab Science
❑ Math (at the next level) ❑ Advanced Math (at the next level)
❑ 2nd Year Foreign Language ❑ Elective _____
❑ Professional Communication/elective ❑ Elective _____
❑ Elective _____

Junior Year

❑ English 3 ❑ AP English 3 ❑ DC English 3
❑ US History ❑ Diesel
❑ 3rd Science ❑ Advanced 3rd Science
❑ Math ❑ Advanced Math ❑ DC College Algebra
❑ DC Intro to Transportation Tech/DC Diesel Equipment Tech I **(3 pds and transport to DMC)**

Senior Year

❑ English 4 ❑ AP English 4 ❑ DC English 4
❑ Government/Economics ❑ AP Govt/Economics ❑ DC Govt/DC Economics
❑ 4th Science ❑ Advanced 4th Science ❑ DC Science
❑ Math for Tech ❑ Advanced Math ❑ DC Math
❑ DC Diesel Equipment Tech II/DC Practicum in Transportation Systems
(3 pds and transport to DMC)

COURSES

LEVEL 1

Principles of Arts,A/V Technology, and Communications
Professional Communications

LEVEL 2

Audio/Video Production/Lab

LEVEL 3

Audio Video Production II/Lab

LEVEL 4

Practicum of Audio/Video Production

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

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Sound Engineering Technicians	$39,562	79	27%
Camera Operators, Television, Video and Motion Picture	$50,024	129	9%
Audio and Video Equipment Technicians	$40,581	757	29%
Film and Video Editors	$47,382	118	23%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Shadow a production team
SkillsUSA, TSA

Work Based Learning Activities:
Intern at a local television station or video production company

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

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

Successful completion of the Digital Communications program of study will fulfill requirements of a Business and Industry Endorsement.

Approved Statewide Program of Study - September 2019

Texas Education Agency

Digital Communications Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ Advanced English 1
- ❑ World Geography/ MAPS
- ❑ Advanced World Geography/MAPS
- ❑ Biology
- ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Principles of Arts, A/V Technology & Communications
- ❑ Fine Art course
- ❑ Professional Communication/other elective

Sophomore Year

- ❑ English 2
- ❑ Advanced English 2
- ❑ World History
- ❑ Advanced World History
- ❑ Lab Science
- ❑ Advanced Lab Science
- ❑ Math (at the next level)
- ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Audio/Video Production
- ❑ PE
- ❑ NJROTC
- ❑ Athletics
- ❑ Marching Band

Junior Year

- ❑ English 3
- ❑ AP English 3
- ❑ DC English 3
- ❑ US History
- ❑ AP US History
- ❑ DC US History
- ❑ 3rd Science
- ❑ Advanced 3rd Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC College Algebra
- ❑ Audio/Video Production II
- ❑ Elective _____
- ❑ Elective _____

Senior Year

- ❑ English 4
- ❑ AP English 4
- ❑ DC English 4
- ❑ Government/Economics
- ❑ AP Govt/Economics
- ❑ DC Govt/DC Economics
- ❑ 4th Science
- ❑ Advanced 4th Science
- ❑ DC Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC Math
- ❑ Practicum of Audio/Video Production
- ❑ Elective _____
- ❑ Elective _____

COURSES

LEVEL 1 — Principles of Education and Training

LEVEL 2 — Child Development

LEVEL 3 — Child Guidance

LEVEL 4 — Practicum in Early Learning

POSTSECONDARY OPTIONS

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

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Kindergarten Teachers, except Special Education	$53,310	1,848	17%
Preschool Teachers	$27,851	4,330	17%
Special Education Teachers, Preschool	$55,670	148	27%
Elementary School Teachers	$54,140	13,121	16%
Education Administrators, Elementary and Secondary School	$79,830	2,407	16%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities: Texas Association of Future Educators; Family, Career, & Community Leaders of America

Work Based Learning Activities: Teach a community education class; volunteer as a teaching assistant.

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

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

Successful completion of the Early Learning program of study will satisfy the requirements for the Public Service Endorsement.
Approved Statewide Program of Study - September 2019

Early Learning Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ Advanced English 1
- ❑ World Geography/ MAPS
- ❑ Advanced World Geography/MAPS
- ❑ Biology
- ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Technology Application
- ❑ Fine Art _____
- ❑ Elective _____
- ❑ Principles of Education and Training

Sophomore Year

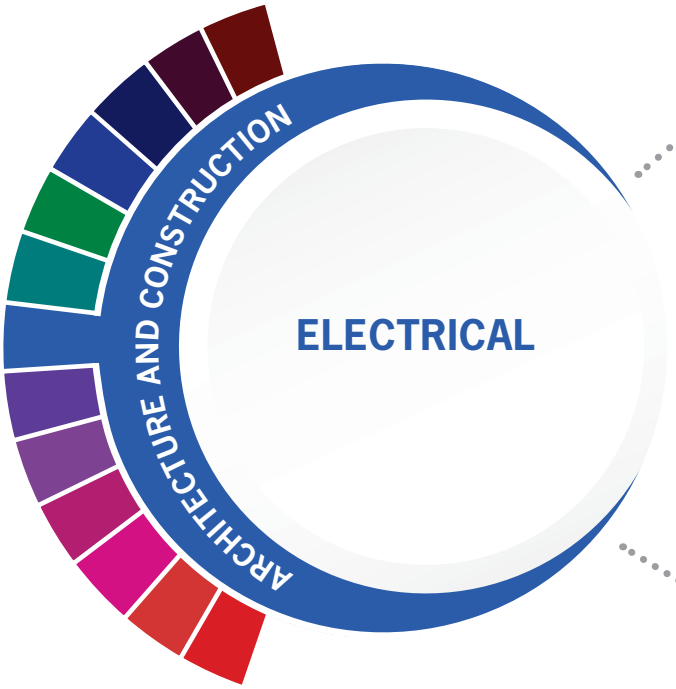
- ❑ English 2
- ❑ Advanced English 2
- ❑ World History (optional)
- ❑ Advanced World History (optional)
- ❑ Lab Science
- ❑ Advanced Lab Science
- ❑ Math (at the next level)
- ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Child Development
- ❑ Professional Communication/other elective
- ❑ Elective _____

Junior Year

- ❑ English 3
- ❑ AP English 3
- ❑ DC English 3
- ❑ US History
- ❑ AP US History
- ❑ DC US History
- ❑ 3rd Science
- ❑ Advanced 3rd Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC College Algebra
- ❑ PE
- ❑ NJROTC
- ❑ Athletics
- ❑ Marching Band
- ❑ DC Child Guidance **(2 pds and transport to DMC)**

Senior Year

- ❑ English 4
- ❑ AP English 4
- ❑ DC English 4
- ❑ Government/Economics
- ❑ AP Govt/Economics
- ❑ DC Govt/DC Economics
- ❑ 4th Science
- ❑ Advanced 4th Science
- ❑ DC Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC Math
- ❑ DC Practicum in Early Learning **(2 pds and transport to DMC)**



COURSES

LEVEL 1

Principles of Construction

LEVEL 2

Electrical Technology I Craft

LEVEL 3

Electrical Technology II Craft

LEVEL 4

Practicum in Construction Technology Craft

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
NCCER Electrical, Level 1 & 2	Electrical Plans Examiner	Electrician	Construction Science	Construction Management
NCCER Electronic Systems Technician, Level 1 & 2	Certified Electrical Inspector - Master	Communications Systems Installation and Repair Technology		
Electrical Apprenticeship Certificate, Level 1	Fiber Optics Technician - Outside Plant			
NCCER Commercial Electrician	Certification in Fire Alarm Systems - Level 1			

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Electrical Linemen	$64,937	309	9%
Electricians	$44,013	8,460	21%
Electrical and Electronics Installers	$58,178	195	14%
Security and Fire Alarm Installers	$43,638	1,112	22%
Telecommunication Line Installers and Repairers	$49,150	1,228	10%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Shadow an electrician or fiber optics line installer
SkillsUSA

Work Based Learning Activities:
Intern or shadow an electrician

The Electrical program of study explores the occupations and educational opportunities associated with installing, maintaining, and repairing electrical wiring, equipment, and fixtures. This program of study may also include exploration into installing and repairing telecommunications cable including fiber optics.

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

Successful completion of the Electrical Program of Study will fulfill requirements of a Business and Industry Endorsement.
Approved Statewide Program of Study - September 2019

TEA Texas Education Agency

Electrical Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ Advanced English 1
- ❑ World Geography/ MAPS
- ❑ Advanced World Geography/MAPS
- ❑ Biology
- ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Technology Application
- ❑ Fine Art _____
- ❑ Elective _____
- ❑ Professional Communication/elective
- ❑ Elective _____

Sophomore Year

- ❑ English 2
- ❑ Advanced English 2
- ❑ World History
- ❑ Advanced World History
- ❑ Lab Science
- ❑ Advanced Lab Science
- ❑ Math (at the next level)
- ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ *CTC Principles of Construction/Introduction to Welding **(2 pds and Advisory)**

Junior Year

- ❑ English 3
- ❑ AP English 3
- ❑ DC English 3
- ❑ US History
- ❑ AP US History
- ❑ DC US History
- ❑ 3rd Science
- ❑ Advanced 3rd Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC College Algebra
- ❑ PE
- ❑ NJROTC
- ❑ Athletics
- ❑ Marching Band
- ❑ CTC Electrical Technology I **(2 pds and Advisory)**

Senior Year

- ❑ English 4
- ❑ AP English 4
- ❑ DC English 4
- ❑ Government/Economics
- ❑ AP Govt/Economics
- ❑ DC Govt/DC Economics
- ❑ 4th Science
- ❑ Advanced 4th Science
- ❑ DC Science
- ❑ Math for Tech
- ❑ Advanced Math
- ❑ DC Math
- ❑ Elective _____
- ❑ CTC Electrical Technology II **(2 pds and Advisory)**

***CTC classes are located at the Craft Training Center**

COURSES

LEVEL 1

Principles of Law, Public Safety, Corrections, and Security

LEVEL 2

Disaster Response

LEVEL 3

Firefighter I
Emergency Medical Technician - Basic
Anatomy and Physiology
National Security

LEVEL 4

Firefighter II
Practicum in Law, Public Safety, Corrections, and Security

POSTSECONDARY OPTIONS

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

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Firefighters	$50,149	2,309	13%
Fire Inspectors and Investigators	$54,787	161	14%
Emergency Medical Technicians	$34,091	1,880	31%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Attend local emergency awareness events; Texas Public Service Association

Work Based Learning Activities:
Volunteer at a hospital or a fire station

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

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

Successful completion of the Emergency Services program of study will fulfill requirements of the Public Service Endorsement.
Approved Statewide Program of Study - September 2019

Emergency Services Course Sequence

Credits from Junior High (Please check all that you have earned)

❑ Algebra 1
❑ Geometry
❑ Spanish 1
❑ Spanish 2
❑ Speech
❑ Health
❑ Business Information Systems Management
❑ Art 1
❑ Theatre Arts 1
❑ Other _____

Freshman Year

❑ English 1 ❑ Advanced English 1
❑ World Geography/ MAPS ❑ Advanced World Geography/MAPS
❑ Biology ❑ Advanced Biology
❑ Math _____
❑ 1st Year Foreign Language ❑ 2nd Year Foreign Language ❑ Elective _____
❑ Technology Application ❑ Fine Art _____ ❑ Elective _____
❑ Principles of Law, Public Safety, Corrections, and Security

Sophomore Year

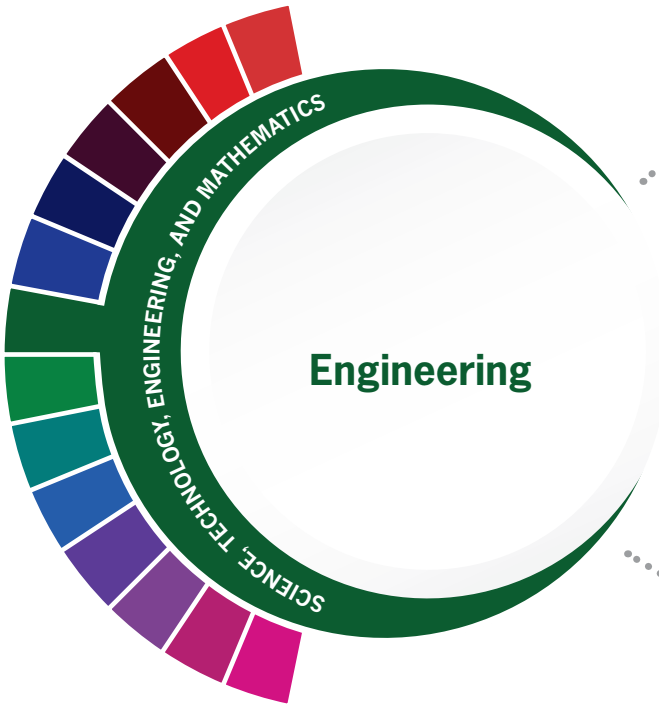
❑ English 2 ❑ Advanced English 2
❑ World History ❑ Advanced World History ❑ US History
❑ Lab Science ❑ Advanced Lab Science
❑ Math (at the next level) ❑ Advanced Math (at the next level)
❑ 2nd Year Foreign Language ❑ Professional Communication/Elective _____
❑ DC Disaster Response **(3 pds & transport to DMC)**

Junior Year

❑ English 3 ❑ AP English 3 ❑ DC English 3
❑ US History ❑ DC course
❑ 3rd Science ❑ Advanced 3rd Science
❑ Math ❑ Advanced Math ❑ DC College Algebra
❑ DC Firefighter I (full yr course) ❑ DC Emergency Medical Technician (Spring sem only)
(<u>both courses are 3 pds and transport to DMC)</u>

Senior Year

❑ English 4 ❑ AP English 4 ❑ DC English 4
❑ Government/Economics ❑ AP Govt/Economics ❑ DC Govt/DC Economics
❑ Anatomy & Physiology ❑ Advanced 4th Science ❑ DC Anatomy & Physiology
❑ Math ❑ Advanced Math ❑ DC Math
❑ PE ❑ NJROTC ❑ Athletics ❑ Marching Band
❑ DC Firefighter II (full year) ❑ DC Practicum in Law, Public Safety, Corrections, and Security
(<u>both courses are 3 pds and transport to DMC)</u>



COURSES

LEVEL 1
Principles of Applied Engineering

LEVEL 2
Manufacturing Engineering Technology I

LEVEL 3
Engineering Design and Presentation I
Digital Electronics

LEVEL 4
Engineering Design and Problem Solving
Engineering Design and Presentation II

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

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Aerospage Engineers	$110,843	481	9%
Industrial Engineers	$97,074	1,263	10%
Mechanical Engineers	$91,707	1,535	11%
Chemical Engineers	$112,819	474	9%
Electrical Engineers	$98,405	1,137	10%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Participate in competitions like Skills USA

Career Preparation Activities:
Engineering internship
Job shadow a machinist

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

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

Successful completion of the Engineering program of study will fulfill requirements of the Business and Industry or STEM Endorsement.

Approved Statewide Program of Study - September 2019

Texas Education Agency

Engineering Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ Advanced English 1
- ❑ World Geography/ MAPS
- ❑ Advanced World Geography/MAPS
- ❑ Biology
- ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Technology Application
- ❑ Fine Art _____
- ❑ Elective _____
- ❑ Principles of Applied Engineering

Sophomore Year

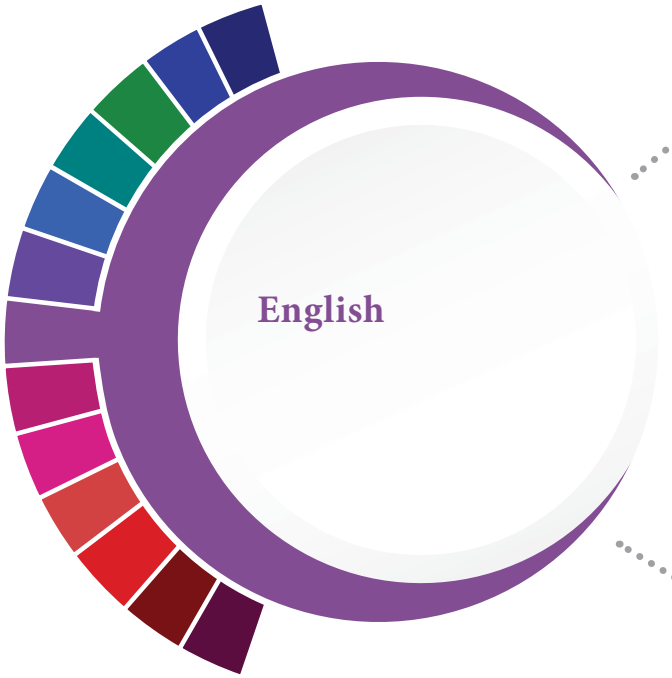
- ❑ English 2
- ❑ Advanced English 2
- ❑ World History
- ❑ Advanced World History
- ❑ Chemistry
- ❑ Advanced Chemistry
- ❑ Math (at the next level)
- ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ PE
- ❑ NJROTC
- ❑ Athletics
- ❑ Marching Band
- ❑ Professional Communication/elective
- ❑ Elective _____

Junior Year

- ❑ English 3
- ❑ AP English 3
- ❑ DC English 3
- ❑ US History
- ❑ AP US History
- ❑ DC US History
- ❑ Physics
- ❑ Advanced Physics
- ❑ Math
- ❑ Advanced Math
- ❑ DC College Algebra
- ❑ DC Manufacturing Engineering Technology I/DC Engineering Design & Presentation I **(2 pds and transport to DMC)**

Senior Year

- ❑ English 4
- ❑ AP English 4
- ❑ DC English 4
- ❑ Government/Economics
- ❑ AP Govt/Economics
- ❑ DC Govt/DC Economics
- ❑ 4th Science
- ❑ Advanced 4th Science
- ❑ DC Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC Math
- ❑ DC Digital Electronics/DC Engineering Design & Problem Solving **(2 pds and transport to DMC)**



COURSES

LEVEL 1

English 1

LEVEL 2

English 2

LEVEL 3

English 3

LEVEL 4

English 4
Research and Technical Writing
Creative Writing
Debate
Literary Genres

English Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ Advanced English 1
- ❑ World Geography/ MAPS
- ❑ Advanced World Geography/MAPS
- ❑ Biology
- ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Technology Application
- ❑ Fine Arts
- ❑ Elective _____
- ❑ PE ❑ NJROTC
- ❑ Athletics
- ❑ Marching Band

Sophomore Year

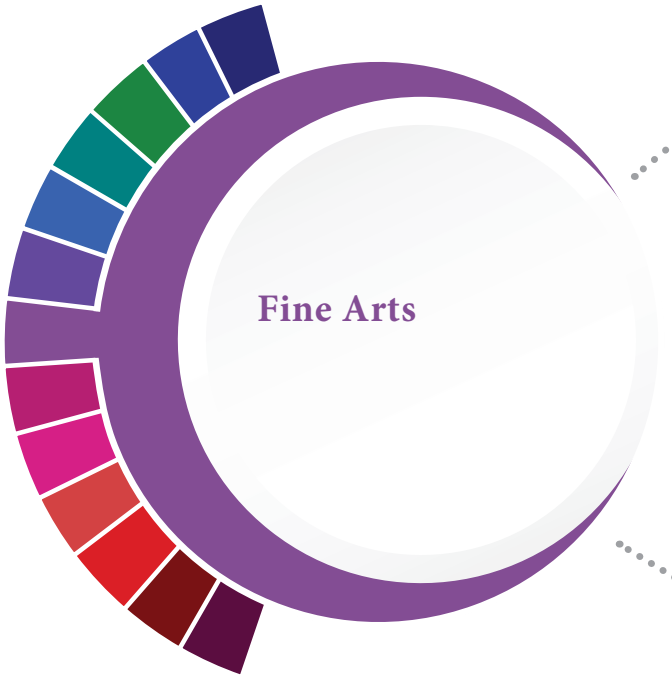
- ❑ English 2
- ❑ Advanced English 2
- ❑ World History
- ❑ Advanced World History
- ❑ Lab Science
- ❑ Advanced Lab Science
- ❑ Math (at the next level)
- ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Professional Communication/elective
- ❑ Elective _____
- ❑ English Elective _____

Junior Year

- ❑ English 3
- ❑ AP English 3
- ❑ DC English 3
- ❑ US History
- ❑ AP US History
- ❑ DC US History
- ❑ 3rd Science
- ❑ Advanced 3rd Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC College Algebra
- ❑ English Elective_____
- ❑ Elective _____
- ❑ Elective _____

Senior Year

- ❑ English 4
- ❑ AP English 4
- ❑ DC English 4
- ❑ Government/Economics
- ❑ AP Govt/Economics
- ❑ DC Govt/DC Economics
- ❑ 4th Science
- ❑ Advanced 4th Science
- ❑ DC Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC Math
- ❑ English Elective _____
- ❑ Elective _____
- ❑ Elective _____



LEVEL 1

LEVEL 2

LEVEL 3

LEVEL 4

COURSES

Art 1 or Theater 1 or Band 1 or Choir 1

Art 2 or Theater 2 or Band 2 or Choir 2

Art 3 or Theater 3 or Band 3 or Choir 3

Art 4 or Theater 4 or Band 4 or Choir 4

Fine Arts Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ Advanced English 1
- ❑ World Geography/ MAPS
- ❑ Advanced World Geography/MAPS
- ❑ Biology
- ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Technology Application
- ❑ Elective _____
- ❑ Fine Arts 1
- ❑ Elective _____

Sophomore Year

- ❑ English 2
- ❑ Advanced English 2
- ❑ World History
- ❑ Advanced World History
- ❑ Lab Science
- ❑ Advanced Lab Science
- ❑ Math (at the next level)
- ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Fine Arts 2
- ❑ Professional Communication/other elective
- ❑ Elective _____

Junior Year

- ❑ English 3
- ❑ AP English 3
- ❑ DC English 3
- ❑ US History
- ❑ AP US History
- ❑ DC US History
- ❑ 3rd Science
- ❑ Advanced 3rd Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC College Algebra
- ❑ Fine Arts 3
- ❑ PE
- ❑ NJROTC
- ❑ Athletics
- ❑ Marching Band
- ❑ Elective _____

Senior Year

- ❑ English 4
- ❑ AP English 4
- ❑ DC English 4
- ❑ Government/Economics
- ❑ AP Govt/Economics
- ❑ DC Govt/DC Economics
- ❑ 4th Science
- ❑ Advanced 4th Science
- ❑ DC Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC Math
- ❑ Fine Arts 4
- ❑ Elective _____
- ❑ Elective _____

COURSES

LEVEL 1
Principles of Health Science

LEVEL 2
Medical Terminology I

LEVEL 3
Health Science Theory

LEVEL 4
Anatomy and Physiology
Practicum in Health Science

POSTSECONDARY OPTIONS

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

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Diagnostic Medical Sonographers	$69,909	495	35%
Phlebotomists	$30,597	1,442	36%
Nuclear Medicine Technologists	$75,962	91	13%
Radiologic Technologists	$55,494	1,196	19%
Magnetic Resonance Imaging Technologists	$68,661	217	21%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Health Occupation Students of America (HOSA)

Work Based Learning Activities:
Clinical rotations at a community wellness center, hospital, assisted living, nursing home

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

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

Successful completion of the Healthcare Diagnostics program of study will fulfill requirements of the Public Service Endorsement.

Approved Statewide Program of Study - September 2019

Healthcare Diagnostics Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ Advanced English 1
- ❑ World Geography/ MAPS
- ❑ Advanced World Geography/MAPS
- ❑ Biology
- ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Principles of Health Science
- ❑ Fine Art course
- ❑ Technology Applications
- ❑ Elective _____

Sophomore Year

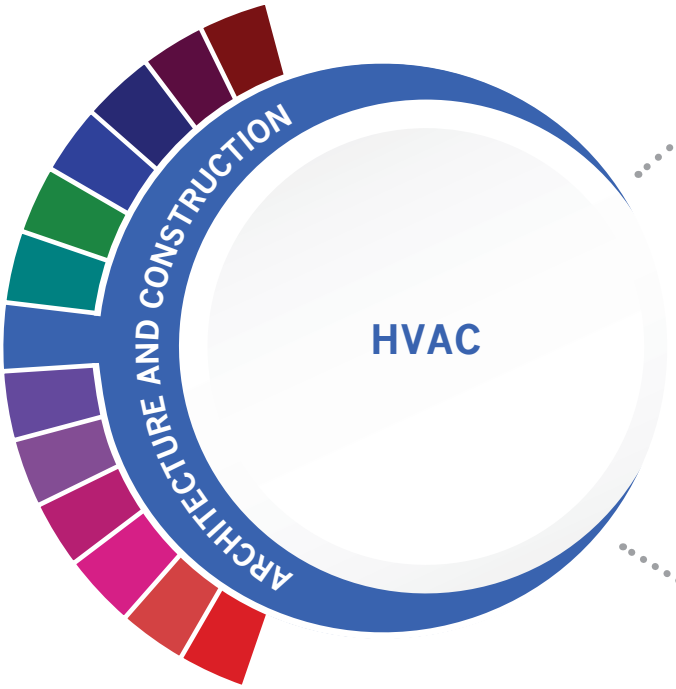
- ❑ English 2
- ❑ Advanced English 2
- ❑ World History
- ❑ Advanced World History
- ❑ Chemistry
- ❑ Advanced Chemistry
- ❑ Math (at the next level)
- ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Medical Terminology/ Professional Communication/elective
- ❑ Health Science Theory

Junior Year

- ❑ English 3
- ❑ AP English 3
- ❑ DC English 3
- ❑ US History
- ❑ AP US History
- ❑ DC US History
- ❑ Physics
- ❑ Advanced Physics
- ❑ 3rd Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC College Algebra
- ❑ PE
- ❑ NJROTC
- ❑ Athletics
- ❑ Marching Band
- ❑ Practicum in Health Science I **(2 periods)**

Senior Year

- ❑ English 4
- ❑ AP English 4
- ❑ DC English 4
- ❑ Government/Economics
- ❑ AP Govt/Economics
- ❑ DC Govt/DC Economics
- ❑ Anatomy & Physiology
- ❑ 4th Science
- ❑ DC Anatomy & Physiology
- ❑ Math
- ❑ Advanced Math
- ❑ DC Math
- ❑ Practicum in Health Science II **(2 periods)**
- ❑ Elective _____



COURSES

LEVEL 1

Principles of Construction

LEVEL 2

Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology I Del Mar

LEVEL 3

Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II Del Mar

LEVEL 4

Practicum in Construction Technology Del Mar

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Refrigerant Handling (EPA 608)	Residential HVAC Design for Quality Installation	Business Administration and Management, General		
OSHA 30 Hour Construction	Certified Cost Technician	Mechanical Engineering		
NCCER HVAC, Level 1	Precision Sheet Metal Operator Certification	Heating, Ventilation, Air Conditioning and Refrigeration Engineering Technology/ Technician	Construction Engineering Technology/ Technician	Construction Engineering
NCCER Sheet Metal, Level 1	Certified Ventilation System Inspector	Business/Commerce, General		

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Heating, Air Conditioning, and Refrigeration Mechanics	$41,808	3,356	26%
Sheet Metal Workers	$37,419	1,479	17%
Cost Estimators	$63,939	2,239	21%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Shadow an HVAC worker or cost estimator SkillUSA

Work Based Learning Activities:
Intern with a company that works with HVAC and/or sheetmetal

The HVAC and Sheet Metal program of study explores the occupations and educational opportunities associated with installing, serving, or repairing heating and air conditioning systems and also the fabrication, assembly, installation, and repair of sheet metal products and equipment, such as ducts, control boxes, drainpipes, and furnace casings. This program of study may also include exploration into preparing cost estimates for certain construction projects involving heating and air conditioning and sheet metal.

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

Successful completion of the HVAC and Sheet Metal program of study will fulfill requirements of the Business and Industry Endorsement.

Approved Statewide Program of Study - September 2019

HVAC Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1 ❑ Advanced English 1
- ❑ World Geography/MAPS ❑ Advanced World Geography/MAPS
- ❑ Biology ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language ❑ 2nd Year Foreign Language ❑ Elective _____
- ❑ Technology Application ❑ Fine Art course ❑ Elective _____
- ❑ Principles of Construction

Sophomore Year

- ❑ English 2 ❑ Advanced English 2
- ❑ World History ❑ Advanced World History
- ❑ Lab Science ❑ Advanced Lab Science
- ❑ Math (at the next level) ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language ❑ Elective _____
- ❑ Professional Communication/elective ❑ Elective _____
- ❑ PE ❑ NJROTC ❑ Athletics ❑ Marching Band

Junior Year

- ❑ English 3 ❑ AP English 3 ❑ DC English 3
- ❑ US History ❑ AP US History ❑ DC US History
- ❑ 3rd Science ❑ Advanced 3rd Science
- ❑ Math ❑ Advanced Math ❑ DC College Algebra
- ❑ DC HVAC & Refrigeration Technology I/DC HVAC & Refrigeration Technology II **(2 pds and transport to DMC)**

Senior Year

- ❑ English 4 ❑ AP English 4 ❑ DC English 4
- ❑ Government/Economics ❑ AP Govt/Economics ❑ DC Govt/DC Economics
- ❑ 4th Science ❑ Advanced 4th Science ❑ DC Science
- ❑ Math for Tech ❑ Advanced Math ❑ DC Math
- ❑ DC Practicum in Construction Technology **(2 pds and transport to DMC)**

INFORMATION TECHNOLOGY SUPPORT AND SERVICES

COURSES

LEVEL 1

Principles of Information Technology
Geographic Information Systems

LEVEL 2

Computer Maintenance/Lab Del Mar
Raster Based GIS

LEVEL 3

Computer Technician Practicum Del Mar
Spatial Technology and Remote Sensing IT

LEVEL 4

Computer Technician Practicum (2nd time) Del Mar
Practicum of Information Technology

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

Additional industry based certification information is available from the TEA CTE website

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Database Administrator	$83,075	1,063	19%
Information Technology - Computer Occupations, All Other	$85,197	1,616	20%
Computer Hardware Engineer	$111,738	343	24%
Computer System Analyst and Support	$87,568	5,937	29%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Join TSA
Job shadow a database administrator or computer hardware engineer

Worked Based Learning Activities:
Obtain a Certification

The Information Technology Support and Services program of study explores the occupations and educational opportunities associated with administering, testing, and implementing computer databases and applying knowledge of database management systems. This program of study may also include analyzing user requirements and problems to automate or improve existing systems and review computer system capabilities. This program of study may also include exploration into the research, design, or testing of computer or computer-related equipment for commercial, industrial, military, or scientific use.

The Information Technology (IT) Career Cluster® focuses on building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services.

Successful completion of the Information Technology Support and Services program of study will fulfill requirements of a Business and Industry Endorsement.

Approved Statewide Program of Study - September 2019

Information Technology Support and Services Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ Advanced English 1
- ❑ World Geography/ MAPS
- ❑ Advanced World Geography/MAPS
- ❑ Biology
- ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Principles of Info Tech
- ❑ Geographic Information Systems
- ❑ Fine Art course
- ❑ Elective

Sophomore Year

- ❑ English 2
- ❑ Advanced English 2
- ❑ World History
- ❑ Advanced World History
- ❑ Chemistry
- ❑ Advanced Chemistry
- ❑ Math (at the next level)
- ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ PE
- ❑ NJROTC
- ❑ Athletics
- ❑ Marching Band
- ❑ Professional Communication/other elective
- ❑ Elective _____

Junior Year

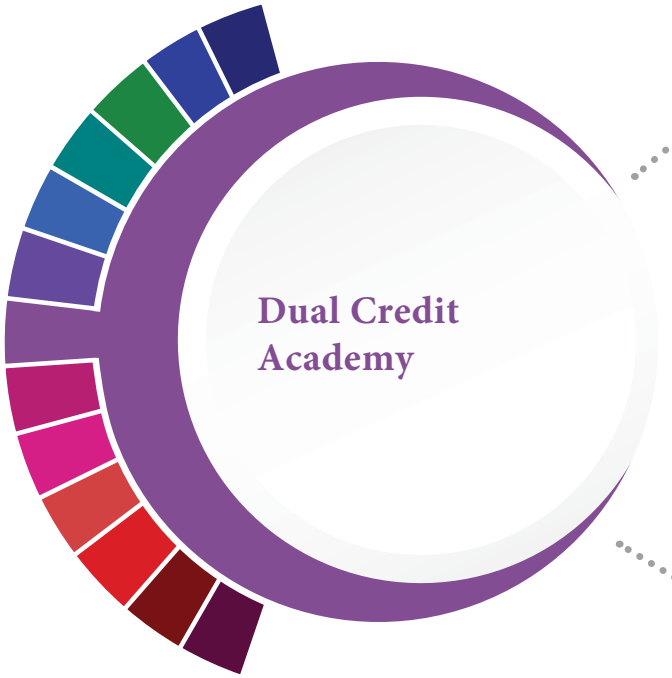
- ❑ English 3
- ❑ AP English 3
- ❑ DC English 3
- ❑ US History
- ❑ AP US History
- ❑ DC US History
- ❑ Physics
- ❑ Advanced Physics
- ❑ Math
- ❑ Advanced Math
- ❑ DC College Algebra
- ❑ DC Computer Maintenance/DC Computer Technician Practicum

(2 pds and transport to DMC)

Senior Year

- ❑ English 4
- ❑ AP English 4
- ❑ DC English 4
- ❑ Government/Economics
- ❑ AP Govt/Economics
- ❑ DC Government/Economics
- ❑ 4th Science
- ❑ Advanced 4th Science
- ❑ DC Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC Math
- ❑ DC Computer Technician Practicum II/Elective _____

(2 pds and transport to DMC)



	COURSES
LEVEL 1	Advanced Coursework in core classes
LEVEL 2	Advanced Coursework in core classes
LEVEL 3	Dual credit coursework on campus (Del Mar or TAMUCC) High School coursework for graduation requirements
LEVEL 4	Dual credit coursework on campus (Del Mar or TAMUCC) High School coursework for graduation requirements

Islander Academy*/Viking Academy** Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ Advanced English 1
- ❑ Advanced World Geography/MAPS
- ❑ Advanced Biology
- ❑ Advanced Math _____
- ❑ 1st Year Foreign Language ❑ 2nd Year Foreign Language ❑ Elective _____
- ❑ Technology Application ❑ Fine Art course ❑ Elective _____
- ❑ PE ❑ NJROTC ❑ Athletics ❑ Marching Band

Sophomore Year

- ❑ Advanced English 2
- ❑ Advanced World History
- ❑ Advanced Chemistry
- ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language ❑ Elective _____
- ❑ Professional Communications/elective ❑ Elective _____
- ❑ Elective _____

Junior Year

- ❑ AP English 3 ❑ DC English 3
- ❑ AP US History ❑ DC US History
- ❑ Advanced Physics
- ❑ Advanced Math ❑ DC College Algebra
- ❑ Elective _____
- ❑ Elective _____
- ❑ Elective _____

Senior Year

- ❑ AP English 4 ❑ DC English 4
- ❑ AP Government/Economics ❑ DC Government/DC Economics
- ❑ Advanced 4th Science ❑ DC Science
- ❑ Advanced Math ❑ DC Math
- ❑ Elective _____
- ❑ Elective _____
- ❑ Elective _____

***TAMU-CC's Islander Academy classes are located on the TAMU-CC campus**
****Del Mar College's Viking Academy classes are located on the Del Mar campus**

LEVEL 1

LEVEL 2

LEVEL 3

LEVEL 4

COURSES

Journalism or Photojournalism

Yearbook 1 or Newspaper 1

Yearbook 2 or Newspaper 2

Yearbook 3 or Newspaper 3

Journalism Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ Advanced English 1
- ❑ World Geography/ MAPS
- ❑ Advanced World Geography/MAPS
- ❑ Biology
- ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Technology Application
- ❑ Fine Art
- ❑ Elective _____
- ❑ Journalism
- ❑ Photojournalism

Sophomore Year

- ❑ English 2
- ❑ Advanced English 2
- ❑ World History
- ❑ Advanced World History
- ❑ Lab Science
- ❑ Advanced Lab Science
- ❑ Math (at the next level)
- ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Yearbook 1
- ❑ Newspaper 1
- ❑ Professional Communication/elective
- ❑ Elective _____

Junior Year

- ❑ English 3
- ❑ AP English 3
- ❑ DC English 3
- ❑ US History
- ❑ AP US History
- ❑ DC US History
- ❑ 3rd Science
- ❑ Advanced 3rd Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC College Algebra
- ❑ Yearbook 2
- ❑ Newspaper 2
- ❑ PE
- ❑ NJROTC
- ❑ Marching Band
- ❑ Athletics
- ❑ Elective _____

Senior Year

- ❑ English 4
- ❑ AP English 4
- ❑ DC English 4
- ❑ Government/Economics
- ❑ AP Govt/Economics
- ❑ DC Govt/DC Economics
- ❑ 4th Science
- ❑ Advanced 4th Science
- ❑ DC Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC Math
- ❑ Yearbook 3
- ❑ Newspaper 3
- ❑ Elective _____
- ❑ Elective _____

COURSES

LEVEL 1

Principles of Law, Public Safety, Corrections, and Security

LEVEL 2

Law Enforcement I
Federal Law Enforcement and Protective Services
Criminal Investigations

LEVEL 3

Law Enforcement II
Correctional Services
Forensic Psychology

LEVEL 4

Counseling and Mental Health
Forensic Science
Practicum in Law, Public Safety Corrections, and Security

POSTSECONDARY OPTIONS

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

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Police and Sheriff's Patrol Officers	$60,112	5,241	13%
Probation Officers and Correctional Treatment Officers	$44,054	793	9%
Correctional Officers and Jailers	$40,186	4,683	9%
Immigration and Customs Inspectors	$78,104	1,236	9%
First-Line Supervisors of Police and Detectives	$91,312	253	25%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Texas Public Service Association; criminal justice clubs

Work Based Learning Activities:
Attend court hearings and other legal procedures.

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

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

Successful completion of the Law Enforcement, Investigations, Security, and Corrections program of study will fulfill requirements of the Public Service Endorsement.

Approved Statewide Program of Study - September 2019

Law Enforcement Course Sequence

Credits from Junior High (Please check all that you have earned)

❑ Algebra 1
❑ Geometry
❑ Spanish 1
❑ Spanish 2
❑ Speech
❑ Health
❑ Business Information Systems Management
❑ Art 1
❑ Theatre Arts 1
❑ Other _____

Freshman Year

❑ English 1 ❑ Advanced English 1
❑ World Geography/ MAPS ❑ Advanced World Geography/MAPS
❑ Biology ❑ Advanced Biology
❑ Math _____
❑ 1st Year Foreign Language ❑ 2nd Year Foreign Language ❑ Elective _____
❑ DC Principles of Law, Public Safety, Corrections, and Security **(Online)**
❑ Fine Art ❑ Professional Communication/other elective

Sophomore Year

❑ English 2 ❑ Advanced English 2
❑ World History ❑ Advanced World History
❑ Lab Science ❑ Advanced Lab Science
❑ Math (at the next level) ❑ Advanced Math (at the next level)
❑ 2nd Year Foreign Language ❑ Elective _____
❑ DC Law Enforcement I/DC Law Enforcement II **(Online)**
❑ PE ❑ NJROTC ❑ Athletics ❑ Marching Band

Junior Year

❑ English 3 ❑ AP English 3 ❑ DC English 3
❑ US History ❑ AP US History ❑ DC US History
❑ 3rd Science ❑ Advanced 3rd Science
❑ Math ❑ Advanced Math ❑ DC College Algebra
❑ DC Practicum in Law, Public Safety, Corrections, and Security/Elective_____ **(Online)**
❑ Technology Applications ❑ Elective _____
❑ Elective _____

Senior Year

❑ English 4 ❑ AP English 4 ❑ DC English 4
❑ Government/Economics ❑ AP Govt/Economics ❑ DC Govt/DC Economics
❑ 4th Science ❑ Advanced 4th Science ❑ DC Science
❑ Math ❑ Advanced Math ❑ DC Math
❑ Elective _____
❑ Elective _____
❑ Elective _____

COURSES

LEVEL 1

Blueprint Reading for Manufacturing Applications
Principles of Manufacturing
Occupational Safety and Environmental Technology I
Principles of Applied Engineering

LEVEL 2

Metal Fabrication and Machining I
Diversified Manufacturing I
Occupational Safety and Environmental Technology II

LEVEL 3

Precision Metal Manufacturing I
Metal Fabrication and Machining II
Diversified Manufacturing II
Occupational Safety and Environmental Technology III

LEVEL 4

Precision in Metal Manufacturing II/Lab
Practicum in Manufacturing

POSTSECONDARY OPTIONS

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
MSSC Certified Production Technician	Certified Welder or Welder Inspector	Welding Technology/ Welder	Welding Engineering Technology/ Technician	
ISCET Associate-Level Certified Electronics Technician	Machining Level 1 - CNC Milling: Programming Setup & Operations	Machine Shop Technology/ Assistant	Biomedical Technology/ Technician	Occupational Health and Industrial Hygiene
Mastercam Professional Level Certification	Certified Welding Engineering	Operations Management and Supervision		
NIMS Industrial Technology Maintenance - Basic Mechanical Systems	Certified Environmental, Safety, and Health Trainer	Occupational Safety and Health Technology/ Technician	Environmental Health	

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Mechanical Engineering Technicians	$57,117	453	9%
Production and Operating Technicians	$62,171	5,094	9%
CNC Machine Programmers	$54,891	222	13%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Participate and compete in SkillsUSA
Job shadow a machinist

Work Based Learning Activities:
Apprenticeship at a local business or industry
American Welding Society

The Manufacturing Technology program of study focuses on the development and use of automatic and computer-controlled machines, tools, and robots that perform work on metal or plastic. Students will learn how to set up and operate a variety of machine tools to produce precision parts and instruments. Students will also learn how to modify parts to make or repair machine tools or maintain individual machines, and how to use hand-welding or flame-cutting equipment.

The Manufacturing Career Cluster® focuses on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering.

Successful completion of the Manufacturing Technology program of study will fulfill requirements of the Business and Industry Endorsement.

Approved Statewide Program of Study - September 2019

Manufacturing Technology Course Sequence

Credits from Junior High (Please check all that you have earned)

❑ Algebra 1
❑ Geometry
❑ Spanish 1
❑ Spanish 2
❑ Speech
❑ Health
❑ Business Information Systems Management
❑ Art 1
❑ Theatre Arts 1
❑ Other _____

Freshman Year

❑ English 1 ❑ Advanced English 1
❑ World Geography/MAPS ❑ Advanced World Geography/MAPS
❑ Biology ❑ Advanced Biology
❑ Math _____
❑ 1st Year Foreign Language ❑ 2nd Year Foreign Language ❑ Elective _____
❑ Technology Application ❑ Fine Art course ❑ Elective _____
❑ PE ❑ NJROTC ❑ Athletics ❑ Marching Band

Sophomore Year

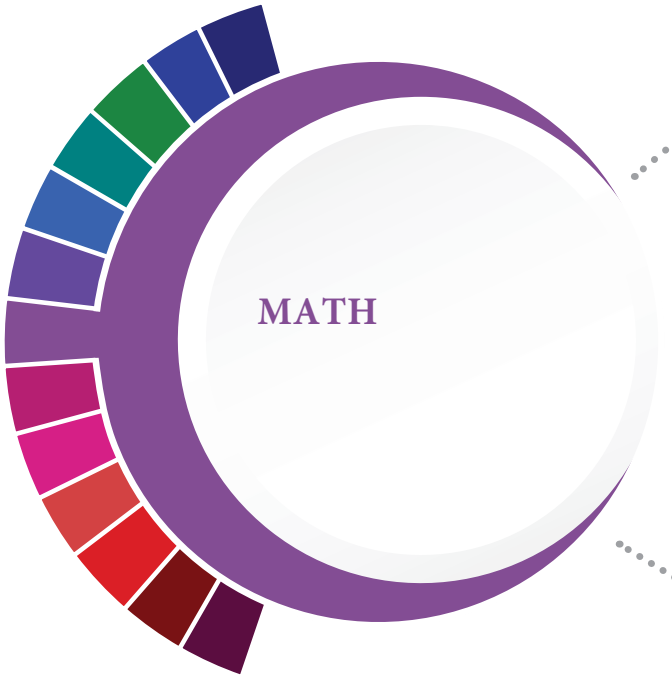
❑ English 2 ❑ Advanced English 2
❑ World History ❑ Advanced World History
❑ Lab Science ❑ Advanced Lab Science
❑ Math (at the next level) ❑ Advanced Math (at the next level)
❑ 2nd Year Foreign Language ❑ Elective _____
❑ Professional Communication/elective ❑ Elective _____
❑ Elective _____

Junior Year

❑ English 3 ❑ AP English 3 ❑ DC English 3
❑ US History ❑ AP US History ❑ DC US History
❑ 3rd Science ❑ Advanced 3rd Science
❑ Math ❑ Advanced Math ❑ DC College Algebra
❑ DC Principles of Manufacturing/DC Metal Fabrication and Machining I
(2 pds and transport to DMC)

Senior Year

❑ English 4 ❑ AP English 4 ❑ DC English 4
❑ Government/Economics ❑ AP Govt/Economics ❑ DC Govt/DC Economics
❑ 4th Science ❑ Advanced 4th Science ❑ DC Science
❑ Math for Tech ❑ Advanced Math ❑ DC Math
❑ DC Precision in Metal Manufacturing II/DC Practicum in Manufacturing
(2 pds and transport to DMC)



COURSES

LEVEL 1

Algebra 1

LEVEL 2

Geometry

LEVEL 3

Algebra 2

LEVEL 4

PreCalculus
AP Calculus AB or BC
AP Statistics
DC Math

Math Course Sequence

Credits from Junior High (Please check all that you have earned)

☑ **Algebra 1**
❑ Geometry
❑ Spanish 1
❑ Spanish 2
❑ Speech
❑ Health
❑ Business Information Systems Management
❑ Art 1
❑ Theatre Arts 1
❑ Other _____

Freshman Year

❑ English 1 ❑ Advanced English 1
❑ World Geography/ MAPS ❑ Advanced World Geography/MAPS
❑ Biology ❑ Advanced Biology
❑ Geometry ❑ Advanced Geometry ❑ Math
❑ 1st Year Foreign Language ❑ 2nd Year Foreign Language ❑ Elective _____
❑ Technology Application ❑ Fine Art ❑ Elective _____
❑ PE ❑ NJROTC ❑ Marching Band ❑ Athletics

Sophomore Year

❑ English 2 ❑ Advanced English 2
❑ World History ❑ Advanced World History
❑ Chemistry ❑ Advanced Chemistry
❑ Algebra 2 ❑ Advanced Algebra 2 ❑ Math
❑ 2nd Year Foreign Language ❑ Elective _____
❑ Professional Communication/elective ❑ Elective _____
❑ Elective _____

Junior Year

❑ English 3 ❑ AP English 3 ❑ DC English 3
❑ US History ❑ AP US History ❑ DC US History
❑ Physics ❑ Advanced Physics
❑ Pre-Calculus ❑ Advanced Pre-Calculus ❑ DC College Algebra
❑ Elective _____
❑ Elective _____
❑ Elective _____

Senior Year

❑ English 4 ❑ AP English 4 ❑ DC English 4
❑ Government/Economics ❑ AP Govt/Economics ❑ DC Govt/DC Economics
❑ 4th Science ❑ Advanced 4th Science ❑ DC Science
❑ AP Calculus AB ❑ DC Math
❑ Elective _____
❑ Elective _____
❑ Elective _____

COURSES

LEVEL 1
Computer Science I
Principles of Information Technology

LEVEL 2
Internetworking Technologies I
Computer Maintenance/Lab
AP Computer Science Principles

LEVEL 3
Internetworking Technologies II
Networking/Lab

LEVEL 4
Practicum in Information Technology

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

*Includes Level 1 and Level II Certificates

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Computer Network Architects	$111,633	1,082	23%
Computer Systems Analysts	$87,568	5,937	29%
Computer Network Support Specialists	$68,037	1,824	19%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:

Join TSA
Job shadow a computer network architect or support specialist

Work Based Learning Activities:
Earn an industry-based certification.

The Networking Systems program of study explores the occupations and educational opportunities associated with designing and implementing computer and information networks, such as local area networks (LAN), wide area networks (WAN), intranets, extranets, and other data communications networks. This program of study may also include exploration into analyzing science, engineering, and other data processing problems to implement and improve computer systems.

The Information Technology (IT) Career Cluster® focuses on building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services.

Successful completion of the Networking Systems program of study will fulfill requirements of a Business and Industry Endorsement.
Approved Statewide Program of Study - September 2019

Networking Systems Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ Advanced English 1
- ❑ World Geography/ MAPS
- ❑ Advanced World Geography/MAPS
- ❑ Biology
- ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Principles of Information Technology
- ❑ Computer Science I
- ❑ Fine Art course
- ❑ Elective

Sophomore Year

- ❑ English 2
- ❑ Advanced English 2
- ❑ World History
- ❑ Advanced World History
- ❑ Chemistry
- ❑ Advanced Chemistry
- ❑ Math (at the next level)
- ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ PE
- ❑ NJROTC
- ❑ Athletics
- ❑ Marching Band
- ❑ Professional Communication/other elective
- ❑ Elective _____

Junior Year

- ❑ English 3
- ❑ AP English 3
- ❑ DC English 3
- ❑ US History
- ❑ AP US History
- ❑ DC US History
- ❑ Physics
- ❑ Advanced Physics
- ❑ Math
- ❑ Advanced Math
- ❑ DC College Algebra
- ❑ DC Computer Maintenance/DC Internetworking Technologies I

(2 pds and transport to DMC)

Senior Year

- ❑ English 4
- ❑ AP English 4
- ❑ DC English 4
- ❑ Government/Economics
- ❑ AP Govt/Economics
- ❑ DC Govt/DC Economics
- ❑ 4th Science
- ❑ Advanced 4th Science
- ❑ DC Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC Math
- ❑ DC Internetworking Technologies II/DC Practicum in Information Technology

(2 pds and transport to DMC)

LEVEL 1

LEVEL 2

LEVEL 3

LEVEL 4

COURSES

NJROTC 1

NJROTC 2

NJROTC 3

NJROTC 4

NJROTC Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ Advanced English 1
- ❑ World Geography/ MAPS
- ❑ Advanced World Geography/MAPS
- ❑ Biology
- ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Technology Application
- ❑ Fine Art course
- ❑ Elective _____
- ❑ NJROTC 1

Sophomore Year

- ❑ English 2
- ❑ Advanced English 2
- ❑ World History
- ❑ Advanced World History
- ❑ Lab Science
- ❑ Advanced Lab Science
- ❑ Math (at the next level)
- ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Professional Communication/elective
- ❑ Elective _____
- ❑ NJROTC 2

Junior Year

- ❑ English 3
- ❑ AP English 3
- ❑ DC English 3
- ❑ US History
- ❑ AP US History
- ❑ DC US History
- ❑ 3rd Science
- ❑ Advanced 3rd Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC College Algebra
- ❑ NJROTC 3
- ❑ Elective _____
- ❑ Elective _____

Senior Year

- ❑ English 4
- ❑ AP English 4
- ❑ DC English 4
- ❑ Government/Economics
- ❑ AP Govt/Economics
- ❑ DC Govt/DC Economics
- ❑ 4th Science
- ❑ Advanced 4th Science
- ❑ DC Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC Math
- ❑ NJROTC 4
- ❑ Elective _____
- ❑ Elective _____

COURSES

LEVEL 1

Principles of Construction Craft
Introduction to Welding Craft

LEVEL 2

Plumbing Technology I Craft
Pipefitting Technology I Craft

LEVEL 3

Plumbing Technology II Craft
Pipefitting Technology II Craft

LEVEL 4

Practicum in Construction Technology Craft

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
NCCER Pipefitting, Level 1	Commercial Plumbing Inspector	Plumbing Technology/ Plumber	Construction Science	Construction Management
NCCER Plumbing, Level 1 & 2	Journey Level Pipefitter-Steamfitter	Electrical and Power Transmission Installation/ Installer, General	Operations Management and Supervision	
NCCER Construction Technology	Plumbing Plans Inspector	Pipefitting/ Pipefitter and Sprinkler Fitter		
Tradesman Plumber - Limited License	Certified Service Manager	High Performance and Custom Engine Technician/ Mechanic		

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Mechanics, Installers, and Repairers	$63,710	4,243	17%
Plumbers	$44,928	5,765	23%
Pipefitters	$44,928	5,765	23%
Steamfitters	$44,928	5,765	23%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Job shadow a plumber, pipefitter, or steamfitter
SkillsUSA

Work Based Learning Activities:
Obtain a Core Curriculum NCCER certification in Pipefitting Level 1 or Plumbing Level 1

The Plumbing and Pipefitting program of study explores the occupations and educational opportunities related to assembling, installing, or repairing pipes, fittings, or fixtures of heating, water, or drainage systems. This program of study may also include exploration into maintaining pipe supports or related hydraulic or pneumatic equipment for steam, hot water, heating, cooling, lubricating, sprinkling, or industrial production or processing systems.

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

Successful completion of the Plumbing and Pipefitting Program of Study will fulfill requirements of a Business and Industry Endorsement.

Approved Statewide Program of Study - September 2019

Plumbing and Pipefitting Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ World Geography/ MAPS
- ❑ Biology
- ❑ Math _____
- ❑ Advanced English 1
- ❑ Advanced World Geography/MAPS
- ❑ Advanced Biology
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Technology Application
- ❑ Fine Art _____
- ❑ Elective _____
- ❑ Professional Communication/other elective
- ❑ Elective _____

Sophomore Year

- ❑ English 2
- ❑ World History
- ❑ Lab Science
- ❑ Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Advanced English 2
- ❑ Advanced World History
- ❑ Advanced Lab Science
- ❑ Advanced Math (at the next level)
- ❑ Elective _____
- ❑ *CTC Principles of Construction/CTC Introduction to Welding **(2 pds and Advisory)**

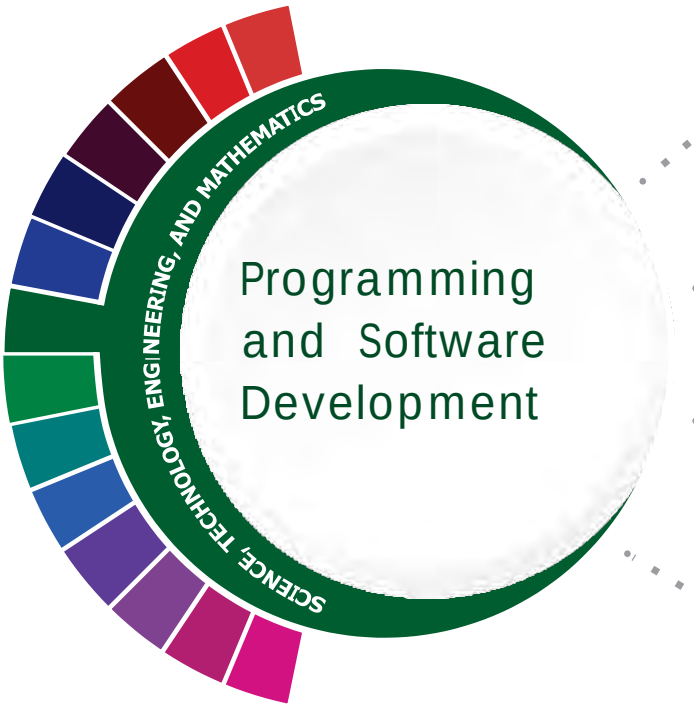
Junior Year

- ❑ English 3
- ❑ US History
- ❑ 3rd Science
- ❑ Math
- ❑ PE
- ❑ NJROTC
- ❑ AP English 3
- ❑ AP US History
- ❑ Advanced 3rd Science
- ❑ Advanced Math
- ❑ Athletics
- ❑ DC English 3
- ❑ DC US History
- ❑ DC College Algebra
- ❑ Marching Band
- ❑ CTC Plumbing or Pipefitting Technology I **(2 pds and Advisory)**

Senior Year

- ❑ English 4
- ❑ Government/Economics
- ❑ 4th Science
- ❑ Math for Tech
- ❑ AP English 4
- ❑ AP Govt/Economics
- ❑ Advanced 4th Science
- ❑ Advanced Math
- ❑ DC English 4
- ❑ DC Govt/DC Economics
- ❑ DC Science
- ❑ DC Math
- ❑ CTC Plumbing or Pipefitting Technology II **(2 pds and Advisory)**
- ❑ Elective _____

***CTC classes are located at the Craft Training Center**



COURSES

LEVEL 1
Computer Science I

LEVEL 2
Advanced Computer Science

LEVEL 3
AP Computer Science A

LEVEL 4
Computer Science III

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	**ASSOCIATE'S** DEGREE	**BACHELOR'S** DEGREE	**MASTER'S/** DOCTORAL PROFESSIONAL DEGREE
Oracle Certified Association JAVA SE 8 Programmer	Certified Computing Professional	Computer Programming/Programmer General	Mangement Information Systems, General	
Oracle Certified Database Associate	Cloud Technology Associate Certification	Computer Software Engineer		
	AEM 6 Developer	Computer Science		
	Certifed Software Analyst	Information Science/Studies		

*Includes Level I and Level II Certificates

For more information on postsecondary options for this programs of study, visit TXCTE.org

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Computer Network Architect	$111, 633	1,454	9%
Software Developer, Systems Software	$103, 334	2985	25%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Join TSA Participate in a coding club at school.	Obtain an industry based certification.

The programming and Software Development program of study explores the occupations and education opportunities associated with researching, designing, developing, and testing operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computer applications. This program of study may also include exploration into creating, modifying, and testing the codes, forms, and script that allow computer applications to run

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

Successful completion of the Programming and Software Development program of study will fulfill requirements of a Business and Industry or STEM Endorsement.

Approved Statewide Program of Study -

Texas Education Agency

September 2019

Programming and Software Development Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ Advanced English 1
- ❑ World Geography/ MAPS
- ❑ Advanced World Geography/MAPS
- ❑ Biology
- ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Computer Science I
- ❑ Fine Art course
- ❑ Professional Communication/other elective

Sophomore Year

- ❑ English 2
- ❑ Advanced English 2
- ❑ World History
- ❑ Advanced World History
- ❑ Chemistry
- ❑ Advanced Chemistry
- ❑ Math (at the next level)
- ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Advanced Computer Science
- ❑ PE
- ❑ NJROTC
- ❑ Athletics
- ❑ Marching Band

Junior Year

- ❑ English 3
- ❑ AP English 3
- ❑ DC English 3
- ❑ US History
- ❑ AP US History
- ❑ DC US History
- ❑ Physics
- ❑ Advanced Physics
- ❑ Math
- ❑ Advanced Math
- ❑ DC College Algebra
- ❑ AP Computer Science
- ❑ Elective _____
- ❑ Elective _____

Senior Year

- ❑ English 4
- ❑ AP English 4
- ❑ DC English 4
- ❑ Government/Economics
- ❑ AP Govt/Economics
- ❑ DC Government/DC Econ
- ❑ 4th Science
- ❑ Advanced 4th Science
- ❑ DC Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC Math
- ❑ Computer Science III
- ❑ Elective _____
- ❑ Elective _____

COURSES

LEVEL 1

Foundations of Energy

LEVEL 2

Introduction to Process Technology

LEVEL 3

Petrochemical Safety, Health, and Environment
Advanced Instrumentation and Electrical

LEVEL 4

Project-Based Research
Applied Mathematics for Technical Professionals

POSTSECONDARY OPTIONS

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
MSSC Certified Production Technician (CPT)	Process Technology Certificate Level II	Process Technology	Business Administration and Management, General	
	Petroleum Energy Technology Certificate	Process Operating Technololgy	Business/ Commerce, General	
	Qualification of Ultrasonic Testing Examiners (Sizing)	Logistics, Material, and Supply Chain Management	Industrial Engineering	
	Certified Plant Supervisor	Petroleum Technology/ Technician	Petroleum Engineering	

*Includes Level I and Level II Certificates

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Gas Plant Operators	$62, 650	312	9%
Petroleum Pump System Operators, Refinery Operators, and Gaugers	$71,448	1,181	9%
Power Plant Operators	$71, 635	309	9%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Tour a power plant or refinery

Work-Based Learning Activities:

Participate in summer conferences.

The Refining and Chemical Processes program of study helps students discover how to monitor, adjust, and control different equipment housed in petrochemical plants and refineries. It introduces students to the computer technology and instrumentation used to operate a variety of equipment systems and industrial processes, helping students build the skills needed to operate these systems.

The Energy Career Cluster® prepares individuals for careers in the designing, planning, maintaining, generating, transmission, and distribution of traditional and alternative energy.

Successful completion of the Refining and Chemical Processes program of study will fulfill requirements of the Business and Industry Endorsement.

Approved Statewide Program of Study - September 2019

Texas Education Agency

Refining and Chemical Processes Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ World Geography/ MAPS
- ❑ Biology
- ❑ Math _____
- ❑ Advanced English 1
- ❑ Advanced World Geography/MAPS
- ❑ Advanced Biology
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Technology Application
- ❑ Fine Art _____
- ❑ Elective _____
- ❑ Professional Communication/elective
- ❑ Elective _____

Sophomore Year

- ❑ English 2
- ❑ World History
- ❑ Lab Science
- ❑ Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Advanced English 2
- ❑ Advanced World History
- ❑ Advanced Lab Science
- ❑ Advanced Math (at the next level)
- ❑ Elective _____
- ❑ PE
- ❑ NJROTC
- ❑ Athletics
- ❑ Marching Band
- ❑ Elective _____

Junior Year

- ❑ English 3
- ❑ US History
- ❑ 3rd Science
- ❑ Math
- ❑ AP English 3
- ❑ AP US History
- ❑ Advanced 3rd Science
- ❑ Advanced Math
- ❑ DC English 3
- ❑ DC US History
- ❑ DC College Algebra
- ❑ DC Foundations of Energy/ DC Intro to Process Technology **(2 pds and transport to DMC)**

Senior Year

- ❑ English 4
- ❑ Government/Economics
- ❑ 4th Science
- ❑ Math for Tech
- ❑ AP English 4
- ❑ AP Govt/Economics
- ❑ Advanced 4th Science
- ❑ Advanced Math
- ❑ DC English 4
- ❑ DC Govt/DC Economics
- ❑ DC Science
- ❑ DC Math
- ❑ DC Petrochemical Safety, Health & Environmental/DC Project-Based Research **(2 pds and transport to DMC)**

COURSES

LEVEL 1

Biology

LEVEL 2

Chemistry

LEVEL 3

Physics

LEVEL 4

AP Science course
DC Science Course
Environmental Systems
Earth and Space Science
Aquatic Science

Science Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ Advanced English 1
- ❑ World Geography/ MAPS
- ❑ Advanced World Geography/MAPS
- ❑ Biology
- ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Technology Application
- ❑Fine Art
- ❑ Elective _____
- ❑ PE
- ❑ NJROTC
- ❑ Marching Band
- ❑ Athletics

Sophomore Year

- ❑ English 2
- ❑ Advanced English 2
- ❑ World History
- ❑ Advanced World History
- ❑ Chemistry
- ❑ Advanced Chemistry
- ❑ Math (at the next level)
- ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Elective _____
- ❑ Professional Communication/other elective
- ❑ Elective _____

Junior Year

- ❑ English 3
- ❑ AP English 3
- ❑ DC English 3
- ❑ US History
- ❑ AP US History
- ❑ DC US History
- ❑ Physics
- ❑ Advanced Physics
- ❑ Math
- ❑ Advanced Math
- ❑ DC College Algebra
- ❑ Professional Communication/elective
- ❑ Elective _____
- ❑ Elective _____

Senior Year

- ❑ English 4
- ❑ AP English 4
- ❑ DC English 4
- ❑ Government/Economics
- ❑ AP Govt/Economics
- ❑ DC Govt/DC Economics
- ❑ 4th Science
- ❑ Advanced 4th Science
- ❑ DC Science
- ❑ 5th Science
- ❑ Advanced 5th Science
- ❑ DC Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC Math
- ❑ Elective _____
- ❑ Elective _____

COURSES

LEVEL 1

MAPS/World Geography

LEVEL 2

World History

LEVEL 3

U. S. History

LEVEL 4

US Government/Economics
Psychology/Sociology
History of Film

Social Studies Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1
- ❑ Advanced English 1
- ❑ World Geography/ MAPS
- ❑ Advanced World Geography/MAPS
- ❑ Biology
- ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Technology Application
- ❑ Fine Arts
- ❑ Elective _____
- ❑ PE
- ❑ NJROTC
- ❑ Athletics
- ❑ Marching Band

Sophomore Year

- ❑ English 2
- ❑ Advanced English 2
- ❑ World History
- ❑ Advanced World History
- ❑ Lab Science
- ❑ Advanced Lab Science
- ❑ Math (at the next level)
- ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language
- ❑ Elective _____
- ❑ Professional Communication/elective
- ❑ Elective _____
- ❑ Elective _____

Junior Year

- ❑ English 3
- ❑ AP English 3
- ❑ DC English 3
- ❑ US History
- ❑ AP US History
- ❑ DC US History
- ❑ 3rd Science
- ❑ Advanced 3rd Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC College Algebra
- ❑ Social Studies Elective_____
- ❑ Elective _____
- ❑ Elective _____

Senior Year

- ❑ English 4
- ❑ AP English 4
- ❑ DC English 4
- ❑ Government/Economics
- ❑ AP Govt/Economics
- ❑ DC Govt/DC Economics
- ❑ 4th Science
- ❑ Advanced 4th Science
- ❑ DC Science
- ❑ Math
- ❑ Advanced Math
- ❑ DC Math
- ❑ Elective _____
- ❑ Elective _____
- ❑ Elective _____

COURSES

LEVEL 1
Principles of Education and Training

LEVEL 2
Human Growth and Development
Child Development

LEVEL 3
Instructional Practices
Special Populations

LEVEL 4
Practicum in Education and Training

POSTSECONDARY OPTIONS

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

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Adult Basic and Secondary Education and Literacy Teachers and Instructors	$48,069	862	17%
Middle School Teachers, Except Special and Career/ Technical Education	$54,510	6,407	15%
Career and Technical Education Teachers, Secondary School	$56,360	719	9%
Special Education Teachers, Secondary School	$56,720	980	18%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Texas Association of Future Educators, or Family, Career and Community Leaders of America

Work Based Learning Activities:
Teach a community education class; intern as a teaching assistant or tutor; serve as a camp counselor.

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

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

Successful completion of the Teaching and Training program of study will fulfill requirements of the Public Service Endorsement.
Approved Statewide Program of Study - September 2019

Texas Education Agency

Teaching and Training Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1 ❑ Advanced English 1
- ❑ World Geography/ MAPS ❑ Advanced World Geography/MAPS
- ❑ Biology ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language ❑ 2nd Year Foreign Language ❑ Elective _____
- ❑ Principles of Education and Training
- ❑ Fine Art course ❑ Technology Applications ❑ Elective _____

Sophomore Year

- ❑ English 2 ❑ Advanced English 2
- ❑ World History ❑ Advanced World History
- ❑ Lab Science ❑ Advanced Lab Science
- ❑ Math (at the next level) ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language ❑ Elective _____
- ❑ Human Growth and Development
- ❑ Professional Communication/elective ❑ Elective _____

Junior Year

- ❑ English 3 ❑ AP English 3 ❑ DC English 3
- ❑ US History ❑ AP US History ❑ DC US History
- ❑ 3rd Science ❑ Advanced 3rd Science
- ❑ Math ❑ Advanced Math ❑ DC College Algebra
- ❑ PE ❑ NJROTC ❑ Athletics ❑ Marching Band
- ❑ Instructional Practices **(2 periods)**

Senior Year

- ❑ English 4 ❑ AP English 4 ❑ DC English 4
- ❑ Government/Economics ❑ AP Govt/Economics ❑ DC Government/Economics
- ❑ 4th Science ❑ Advanced 4th Science ❑ DC Science
- ❑ Math ❑ Advanced Math ❑ DC Math
- ❑ Elective _____
- ❑ Practicum in Education and Training **(2 periods)**

COURSES

LEVEL 1
Introduction to Welding

LEVEL 2
Welding I

LEVEL 3
Welding II/Lab

LEVEL 4
Practicum in Manufacturing

POSTSECONDARY OPTIONS

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
AWS Certified Welder, D1.1, D9.1	Certified Welder or Welder Inspector	Welding Technology/ Welder	Welding Engineering Technology/ Technician	
ASW SENSE Level 1	Machining Level 1 - CNC Milling: Programming Setup & Operations	Machine Shop Technology/ Assistant	Biomedical Technology/ Technician	Occupational Health and Industrial Hygiene
API 1104 Welding Certificate	Certified Welding Engineering	Operations Management and Supervision		
NCCER Welding, Level 1	Certified Environmental, Safety, and Health Trainer	Occupational Safety and Health Technology/ Technician	Environmental Health	

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Welders, Cutters, Solderers, and Brazers	$41,350	6,171	9%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
Participate and compete in SkillsUSA
Job shadow a machinist

Work Based Learning Activities:
Apprenticeship at a local business or industry
American Welding Society

The Welding program of study focuses on the development and use of automatic and computer-controlled machines, tools, and robots that perform work on metal or plastic. Students will learn how to modify parts to make or repair machine tools or maintain individual machines, and how to use hand-welding or flame-cutting equipment.

The Manufacturing Career Cluster® focuses focuses on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering.

Successful completion of the Manufacturing Technology program of study will fulfill requirements of the Business and Industry Endorsement.

Approved Statewide Program of Study - September 2019

Texas Education Agency

Welding Course Sequence

Credits from Junior High (Please check all that you have earned)

- ❑ Algebra 1
- ❑ Geometry
- ❑ Spanish 1
- ❑ Spanish 2
- ❑ Speech
- ❑ Health
- ❑ Business Information Systems Management
- ❑ Art 1
- ❑ Theatre Arts 1
- ❑ Other _____

Freshman Year

- ❑ English 1 ❑ Advanced English 1
- ❑ World Geography/ MAPS ❑ Advanced World Geography/MAPS
- ❑ Biology ❑ Advanced Biology
- ❑ Math _____
- ❑ 1st Year Foreign Language ❑ 2nd Year Foreign Language ❑ Elective _____
- ❑ Technology Application ❑ Fine Art _____ ❑ Elective _____
- ❑ Professional Communication/other elective ❑ Elective _____

Sophomore Year

- ❑ English 2 ❑ Advanced English 2
- ❑ World History ❑ Advanced World History
- ❑ Lab Science ❑ Advanced Lab Science
- ❑ Math (at the next level) ❑ Advanced Math (at the next level)
- ❑ 2nd Year Foreign Language ❑ Elective _____
- ❑ *CTC Principles of Construction/CTC Introduction to Welding **(2 pds and Advisory)**

Junior Year

- ❑ English 3 ❑ AP English 3 ❑ DC English 3
- ❑ US History ❑ AP US History ❑ DC US History
- ❑ 3rd Science ❑ Advanced 3rd Science
- ❑ Math ❑ Advanced Math ❑ DC College Algebra
- ❑ PE ❑ NJROTC ❑ Athletics ❑ Marching Band
- ❑ CTC Welding I **(2 pds and Advisory)**

Senior Year

- ❑ English 4 ❑ AP English 4 ❑ DC English 4
- ❑ Government/Economics ❑ AP Govt/Economics ❑ DC Government/Economics
- ❑ 4th Science ❑ Advanced 4th Science ❑ DC Science
- ❑ Math for Tech ❑ Advanced Math ❑ DC Math
- ❑ Elective _____
- ❑ CTC Welding II **(2 pds and Advisory)**

***CTC classes are located at the Craft Training Center**

HIGH SCHOOL TESTING PROGRAM GUIDE

What STAAR tests are required for high school graduation?
In general, students must pass (Approaches Grade Level) five STAAR EOC assessments—Algebra I, English I, English II, Biology, and U.S. History—to earn a high school diploma from a Texas public or charter school as required in TEC §39.025.

Which students must meet the STAAR graduation requirements?
Students who were first enrolled in grade 9 or below in the 2011–2012 school year, the first year of the STAAR program, must meet the STAAR graduation requirements to earn a high school diploma from a Texas public or charter school. Students who repeated grade 9 or were enrolled in grade 10 or above in the 2011–2012 school year must meet other testing requirements for graduation. More information about testing requirements for these students can be found at https://tea.texas.gov/student.assessment/taks/.

When should students take a STAAR EOC assessment?
Students should take a STAAR EOC assessment during the spring, summer, or fall administration, as close as possible to the completion of the corresponding course. Most students will have received instruction in an entire course or a significant portion of the course by the spring testing date or by the end of the school year, so they would participate in the spring administration. However, if by the end of the school year students have received instruction in only part of the course (e.g., the first half or the second half), then they would take the STAAR EOC assessment in whichever subsequent administration is closest to the time they are completing the course.
For students who are taking courses outside of the typical semester sequence, districts should carefully evaluate the timing of the course instruction as it relates to the STAAR EOC assessment schedule to ensure that students are provided the best opportunity to demonstrate their understanding of the course content. For example, because the spring administration of STAAR English I and English II typically occurs a month earlier than the administration of the other EOC assessments, districts should evaluate the extent to which students taking English I or English II in an accelerated block of instruction during the spring are able to complete their testing requirements. Students who do not participate in the spring STAAR administration may not be able or willing to return to school in June to take the assessments and will not have another opportunity to test until December of the following school year, months after they have completed the course.

How many testing opportunities do students have to pass the STAAR EOC assessments?
All five STAAR EOC assessments required for graduation—Algebra I, English I, English II, Biology, and U.S. History—are administered at the end of the first semester (fall), at the end of the second semester (spring), and in the summer, giving students three testing opportunities each year. The number of testing opportunities students have prior to high school graduation is dependent on when students take the corresponding course. For example, most students take biology during their freshman year. That means students have ten testing opportunities before they are scheduled to graduate. In contrast, most students take U.S. history during their junior year, giving them four testing opportunities prior to high school graduation. Students who do not pass one or more of the required assessments before their scheduled graduation may continue to test during any administration. The specific testing dates each year can be found on the student

assessment testing calendar at http://tea.texas.gov/student.assessment/calendars/.

What types of substitute assessments can students use to fulfill their STAAR graduation requirements?
To satisfy their testing requirements for graduation, students can use several assessments (e.g., SAT and ACT) in place of STAAR EOC assessments. Details on which assessments can currently be used for this purpose are provided in Texas Administrative Code (TAC) §101.4002.

Can a student use more than one substitute assessment to fulfill their graduation requirements?
Yes. A student can use a qualifying score on a substitute assessment to satisfy his or her testing requirement for an EOC assessment as indicated in each cell in the substitute assessment chart. For example, a student could use a qualifying score on SAT mathematics to substitute for STAAR Algebra I and a qualifying score on SAT reading and writing to substitute for either STAAR English I or STAAR English II, but not both. The only time a student can use a single score on a substitute assessment to meet the testing requirement for more than one EOC assessment is when a student has taken the Texas Success Initiative (TSI) assessment at the end of a college preparatory class. If the student meets the qualifying score for reading and writing, he or she can use that score to substitute for both STAAR English I and English II. See TAC §101.4002(d)(1).

Can a student use a score from a substitute assessment that he or she earned in middle school to fulfill their graduation requirements?
Yes. A middle school student can use a qualifying score on a substitute assessment to satisfy his or her testing requirement for an EOC assessment as indicated in each cell in the substitute assessment chart. For example, a grade 8 student who is administered the PSAT 8 can choose to use a qualifying math and/or reading and writing score to substitute for an EOC assessment when they are enrolled in Algebra I and/or English I instead of taking the corresponding STAAR EOC assessments.

What are the STAAR graduation requirements for students who earn course credit through distance learning programs, correspondence courses, or dual credit courses?
Students who earn Texas high school course credit through distance learning programs (e.g., the Texas Virtual School Network), correspondence courses, or dual credit courses are required to pass all five STAAR EOC assessments to fulfill their testing requirements for graduation.

What are the STAAR graduation requirements for students who earn course credit through Advanced Placement (AP) or International Baccalaureate (IB) courses?
Students who earn Texas high school course credit through an AP or IB course that is substituting for a TEKS-based course required for graduation (e.g., AP biology instead of TEKS-based biology) are required to take the STAAR EOC assessment. However, if the student takes the AP or IB test, the student may be able to use the AP or IB test score instead of the STAAR EOC assessment score to fulfill his or her testing requirement for graduation. See the substitute assessments question above.

What are the STAAR graduation requirements for students who earn course credit through credit by examination (CBE)?
If a student uses CBE to gain credit for a course in which he or she has had some prior instruction,

the student is required to pass the corresponding STAAR EOC assessment to fulfill his or her STAAR graduation requirement. However, if a student uses CBE to gain credit for a course in which he or she has had no prior instruction, the student is not required to take the corresponding STAAR EOC assessment to fulfill his or her STAAR graduation requirement. More information about CBE can be found in TAC §74.24 or by calling the Curriculum Division of TEA at 512-463-9581.

What are the STAAR graduation requirements for a student who moves into a Texas public high school from out of state or country or from a private school?

A student whose high school credit has been earned out of state or country or from a private school for a course in which there is a corresponding STAAR EOC assessment

- is not required to take the corresponding STAAR EOC assessment to fulfill his or her graduation requirement if the Texas school district accepts the course credit from the school in which the course was taken, or
- is required to take the corresponding STAAR EOC assessment to fulfill his or her graduation requirement when they take the corresponding course if the Texas school district does not accept the course credit.

What are the STAAR graduation requirements for students who completed a high school course prior to spring 2012, the first high-stakes administration of STAAR EOC assessments?

A student who has completed a high school course prior to spring 2012 (e.g., a grade 8 student who completed Algebra I during the 2010–2011 school year or a grade 9 student who completed English I in the first semester of the 2011–2012 school year) is not required to take the corresponding STAAR EOC assessment to fulfill his or her graduation requirement.

If a student fails the course but passes the STAAR EOC assessment, is the student required to retest when he or she retakes the course?

No. Once a student passes (Approaches Grade Level) a STAAR EOC assessment, the student has fulfilled that part of his or her graduation requirement and cannot retest.

If a student fails the course and fails the STAAR EOC assessment, does the student have to wait until he or she completes the entire course before retesting?

No. The student has already received instruction in the entire course and is eligible to retest during any future administration. The district must ensure that the student is provided an opportunity to test to meet his or her graduation requirement each time the assessment is offered.

How will STAAR EOC assessments be used to satisfy the requirements of the Texas Success Initiative (TSI)?

For a student who Meets Grade Level or Masters Grade Level on the STAAR Algebra II and/or English III assessments, TEC §51.338(d) provides an exemption from TSI requirements in the corresponding content area. Note that the STAAR Algebra II and English III assessments are administered on a voluntary basis. For more information about TSI, visit the Texas Higher Education Coordinating Board website at http://www.thecb.state.tx.us/.

Which STAAR EOC assessments can be used to establish dual credit eligibility?

A student's performance on the STAAR Algebra I, Algebra II, and/or English II assessments can

determine his or her eligibility for enrollment in dual credit courses in the corresponding content area. More information about dual credit eligibility can be found in TAC §4.85 or by calling the Curriculum Division of TEA at 512-463-9581.

Are special test administration procedures or materials allowed on STAAR?
Yes. During the administration of STAAR assessments, certain accessibility features may be provided to students based on their needs. In general, these procedures and materials are available to any student who regularly benefits from the use of them. In addition, accommodations, or designated supports, are changes to assessment materials, procedures, or techniques that allow eligible students to participate more meaningfully in testing activities. Some accommodations, or designated supports, are available as embedded supports in the STAAR Online Testing Platform. Information regarding accessibility features and allowable designated supports for STAAR can be found on the Accommodation Resources webpage at https://tea.texas.gov/accommodations/.

What reporting data are available to students and their parents?
A student portal is available to students and their parents through the Texas Assessment Management System. A student can see his or her recent test results and, in many cases, the student can see the test question, his or her answer choice, and a reason why the answer choice is correct or incorrect. The student is also able to see his or her test results from previous administrations. Each student is provided a unique access code to log in to the data portal. The access code is found at the bottom of the student's STAAR Report Card. The student portal can be accessed at https://www.texasassessment.com/, and there is no charge for students or parents to use it.

Texas Education Agency Student Assessment Division, April 2018

Texas Education Agency Graduation Toolkit

☑ Foundation High School Program

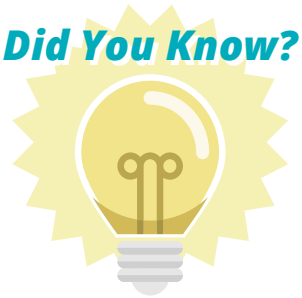
The Foundation High School Program identifies the requirements that all Texas public school students need to satisfy to earn a high school diploma.

Course Credit

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

English (4 credits)	• English I	• English II	• English III	• An advanced English course
Mathematics (3 credits)	• Algebra I	• Geometry	• An advanced math course	
Science (3 credits)	• Biology	• Integrated Physics and Chemistry/Chemistry/ Physics	• An advanced science course	
Social Studies (3 credits)	• World History or World Geography		• U.S. History	
	• U.S. Government (one-half credit)		• Economics (one-half credit)	
Languages Other Than English (2 credits)	• 2 credits in the same language or • 2 credits from Computer programming, Languages, including Computer coding			
Physical Education (1 credit)	**Fine Arts (1 credit)**		**Electives (5 credits)**	

Did You Know?



End-of-Course Exam Requirement

In addition to meeting graduation credit requirements, students are req-ired to pass five end-of-course (EOC) exams to earn a diploma from a Texas public high school. Those five exams are given when a student takes English I and II, Biology, Algebra I, and U.S. History. A student who fails an EOC exam for no more than two of five courses can still receive a diploma if he or she qualifies to graduate as a result of an individual graduation committee review.

Speech Requirement

To qualify to earn a high school diploma, students must also satisfy the speech requirement by demonstrating proficiency in communication skills identified by the State Board of Education in the graduation requirements. Districts may use a variety of ways to determine how students will complete the speech requirement.

Instruction on Proper Interaction with Peace Officers

Students must receive instruction in proper interaction with police officers at least once before graduation from high school.

Instruction in Cardiopulmonary Resuscitation (CPR)

Students must receive instruction in CPR at least once in grades 7-12 before graduation.

More specific course option details are available at:
http://ritter.tea.state.tx.us/rules/tac/chapter074/ch074b.html#74.12

Glossary

Advanced Academics
Advanced academics includes courses, programs, assessments, services, and supports that provide opportunities for students to demonstrate college and career readiness and earn postsecondary credit.

Advanced Placement (AP)
College-level coursework designed by the College Board that provides students the potential to earn college credit with a qualifying score on an AP exam.

Course Credit
A unit of measure awarded for successful completion of a course.

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

CTE Concentrator
A student who completes, passes, and receives credit for two more CTE courses for at least two credits within the same CTE Program of Study.

Distinguished Level of Achievement
A high level of academic achievement earned by going beyond the Foundation High School Program. It requires completion of a total of 26-course credits, including Algebra II, four credits in both math and science, and an endorsement. A student must earn this designation to be eligible for Top 10 percent automatic admission to a Texas public college or university.

Dual Credit
Dual credit is a process by which a high school student enrolls in a college course and receives simultaneous academic credit for the course from both the college and the high school.

End-of-Course Exams (EOC)
State-mandated tests given during the final weeks of a high school course. There are five EOC exams required to earn a diploma from a Texas public high school. The five exams are given when a student completes English I and II, Biology, Algebra I, and U.S. History.

Endorsements
Endorsements are areas of specialized study. The areas include science, technology, engineering and mathematics (STEM); business and industry; arts and humanities; public services; and multidisciplinary studies, (A district or charter school that offers only one endorsement must offer multidisciplinary studies.)

Foundation High School Program (FHSP)
The basic 22-credit graduation program for Texas public school students.

Glossary

Industry-Based Certifications
A certification is a validation that an individual possesses certain skills, usually related to an occupation and measured against a set of accepted standards. An occupation may have multiple certifications, with different levels of expertise. An individual earns a certification by successfully passing a test or battery of tests.

Performance Acknowledgments
Students may earn an additional acknowledgment on their transcripts for outstanding performance in areas such as dual credit courses bilingualism and biliteracy; and AP, IB, PSAT, ACT ASPIRE®, SAT, or ACT exams or by earning a state-, nationally-, or internationally-recognized business or industry certification or license.

Programs of Study
Perkins V describes a CTE Program of Study as a coordinated, nonduplicative sequence of academic and technical content at the secondary and post-secondary level that does the following:

- Incorporates challenging state academic standards
- Addresses academic, technical, and employability skills
- Aligns with the needs of industries in the state, regional, and/or local economy
- Progresses in specificity, beginning with all aspects of the industry and leading to more occupation-specific instruction
- Has multiple entry and exit points that incorporate credentialing
- Culminates in the attainment of a recognized postsecondary credential

For more information on CTE Programs of Study or a complete list of career clusters, visit https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/approved-cte-programs-of-study.

STAAR
State of Texas Assessments of Academic Readiness (STAAR) is the state-mandated test given annually to students in grades 3-8 and at the end of five high school courses.

Work-Based Learning
Work-based learning is a continuum of intentional activities and experiences designed to expand the boundaries of the classroom and prepare students for future career opportunities. Activities and experiences begin as early as pre-kindergarten and continue through postsecondary education.

College and Career Resources

Ask ADVi
https://www.askadvi.org
ADVi uses artificial intelligence to answer your questions about attending public colleges and universities in Texas.

Big Future
https://bit.ly/2EcKdJl
There are more than 2,000 colleges in the United States. Find the right college for you!

Job's Y'all
https://jobsyall.com/
Jobs Y'all is where you can explore meaningful, high-wage careers in growing industries. Here, you will discover rewarding jobs in your hometown and throughout Texas. Find a career that matches your interests and goals.

Texas OnCourse
https://texasoncourse.org
Texas OnCourse offers students access to free and trustworthy resources on college and career planning. Featured tools by Texas OnCourse include:

- **MapMyGrad**
  https://texasoncourse.org/tools/mapmygrad/
  Students zero in on skills and interests to explore careers and endorsements and plan a path through high school.
- **Middle Galaxy**
  https://www.middlegalaxy.org/
  Texas middle school students have big decisions to make about their futures, starting in eighth grade! This space-themed game makes it easy to learn about options in high school and beyond.

Road Trip Nation
https://roadtripnation.com/
Need a little inspiration? Learn how others got to where they are today from real stories of career and life journeys of people from all walks of life.

Texas Career Check
https://texascareercheck.com/
Students can use this interactive tool to search and explore occupations that interest them. Labor market information is provided regarding annual salary and projected job openings and can be filtered by region.

Texas Internship Challenge
https://www.txinternshipchallenge.com/ vosnet/Default.aspx
This internship connection site enables students to gain valuable work-based learning experience while in high school. Students across the state can search for an internship where they live.

Texas Reality Check
https://texasrealitycheck.com/
Students can use this lifestyle calculator to walk through the expenses that they are likely to incur each month and decide how much to spend on their lifestyle. This tool provides a realistic understanding of minimum salary needs and explores occupations that enable students to earn the salary they want.

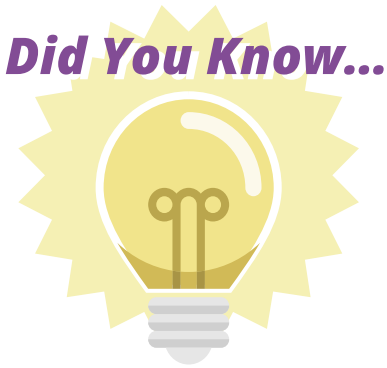
College and Career Resources

Preparing for Your Career

Two-thirds of the high demand jobs openings in Texas will require some postsecondary education. You can position yourself for successful career entry in several ways:

While in high school, you will want to do the following:

- ☐ ***Learn*** about industry fields and targeted occupations that provide high-wages and are in-demand in your region.
- ☐ ***Take*** assessments that match you with potential careers to expand your research.
- ☐ ***Determine*** which of the five endorsement options offered by your high school under the Foundation High School Program best align with your career goals and explore the aligned CTE Programs of Study.
- ☐ ***Complete*** the required Foundation High School Program, your selected endorsement, and CTE Program of Study, if applicable.
- ☐ ***Research*** what training and education levels beyond high school are required to enter your CTE Program of Study or industry field of interest. For a complete list of statewide CTE Programs of Study, visit https://bit.ly/2UWredv.
- ☐ ***Take*** every opportunity to connect directly with employers. Ask your counselor or college advisor for help!
- ☐ ***Find*** training and certifications for specific occupations or skills through community colleges or career and technical schools at www.texasworkforce.org/svcs/propschools/career-schools-colleges.html.
- ☐ ***Practice*** or get hands on experience through internships, apprenticeships, or volunteering.



...over their lifetime a high school graduate with a bachelor's degree ***earns 84 percent more***[1,2] *than a high school graduate without a bachelor's degree?*

...the highest-ranking graduate at each Texas public high school receives a voucher from the Texas Education Agency that can be used as a ***scholarship to cover tuition*** *costs at any Texas public college or university?*

...students ranked in the Top 10 percent of their graduating class at an accredited public or private Texas high school may be ***eligible for automatic admission*** *to a Texas public university if they have completed the distinguished level of achievement?*[3]

...over their lifetime, high school graduates with a workforce certification from a community or technical college ***earn 20 percent more***[4] *than those with only a high school diploma?*

[1]Texas Workforce Commission

[2]Center on Education and the Workforce, "The College Payoff: Education, *Occupations, Lifetime Earnings," August 2011. Georgetown University

[3]Get the facts at www.collegeforalltexans.com or studentaid.ed.gov

[4]Center on Education and the Workforce, "Certificates: Gateway to Gainful Employment and College Degrees," 3 June 2012. Georgetown University

Additional Course Information

- Students may take high school credit courses in summer school, through credit by exam, through correspondence or distance learning, and as dual enrollment or dual credit at designated colleges and universities. (i.e. Del Mar College, Texas A & M University-Corpus Christi, Craft Training Center, University of Texas, etc.)

- Students who transfer high school credits for courses designated as Advanced Placement®, Advanced, Dual Credit, OnRamps, or advanced credit from accredited institutions shall receive weighted credits counted toward the GPA only for courses approved by FBISD as grade weighted courses.

- The following high school credits are offered at the junior high:

    - Algebra I
    - Advanced Geometry
    - Health
    - Professional Communications
    - Business Information Management I
    - Theatre Arts I
    - Art I
    - Spanish I
    - Spanish II
    - Advanced Spanish I
    - Advanced Spanish II

GRADE WEIGHTED COURSES
(School Board Approved)

- **ALL ADVANCED AND AP® COURSES**
- **ALL DUAL CREDIT AND DUAL ENROLLMENT COURSES**
- **UPPER-LEVEL COURSES:**

  ART IV
  BAND IV
  CHORAL MUSIC IV
  DEBATE III
  GIS III
  PRACTICUM IN HEALTH SCIENCE I AND II
  HUMANITIES
  INDEPENDENT STUDIES IN ENGLISH
  NEWSPAPER III and YEARBOOK III
  NJROTC IV
  OTHER LANGUAGES III, IV, V, VI
  COMPUTER SCIENCE III
  THEATRE ARTS IV and TECHNICAL THEATRE IV
  THEATRE PRODUCTION I

***NOTE: REGULAR PRECALCULUS IS UIL-EXEMPT BUT NOT GRADE WEIGHTED**

****NOTE: For all Grade Weighted courses, the District assigns a weight of 10 points to semester grades of 50 and above and calculates a weighted numerical grade average for the student's GPA and class rank only.**

Advanced Placement®, Dual Credit, and Advanced Courses
Approved by the
Flour Bluff I.S.D. Board of Trustees as
Exempted from No Pass, No Play for 2022-2023

All Advanced Placement®, Dual (University/College) Credit, Dual Enrollment Courses in English, Mathematics, Science, Social Studies, Economics and Languages Other Than English

AP® English III
DC English III
OnRamps English
AP® English IV
DC English IV
DC English Literature
AP® Human Geog.
AP® World History
DC World History
AP® U.S. History
DC U.S. History
OnRamps U.S. History
AP® U.S. Government
DC Government
DC Economics
AP® Economics
DC Sociology
AP® Biology
DC Biology
AP® Chemistry
DC Chemistry
DC Psychology
OnRamps Chemistry
OnRamps Chemistry II
AP® Physics 1
AP® Physics 2
AP® Physics C Mechanics
DC Physics
DC College Algebra
DC Pre-Calculus
OnRamps Pre-Calculus
DC Trigonometry
AP® Calculus AB & BC
DC Calculus
AP® Statistics
DC Statistics
AP® Environmental Science
DC Anatomy and Physiology
DC Foreign Languages
DC American Sign Language
AP® Computer Science A
AP® Computer Science Principles
DC Computer Science
OnRamps Computer Science

Any additional Advanced Placement® or Dual Credit English, Mathematics, Science, Social Studies, Economics and Languages Other Than English Courses in accordance with the Texas Education Agency and/or Texas Higher Education Coordinating Board rules/regulations/policies.

Please note: Students enrolled in these courses must maintain an average of 60 or higher in order to gain exempt status for U.I.L. No Pass, No Play purposes as per a resolution adopted by the Flour Bluff ISD Board of Trustees on January 7, 2016.

Other Advanced Courses approved by the FBISD Board of Trustees:
Advanced Precalculus and Precalculus
All OnRamps courses offered in conjunction with the University of Texas
Humanities
Other Languages IV, V, VI, VII
Career and Technical Education courses approved by TEA to count for Advanced Math or Science

Additional information regarding No Pass/No Play may be found at:
https://www.uiltexas.org/policy/tea-uil-side-by-side

GRADE CLASSIFICATION REQUIREMENTS

To be classified as a **Sophomore**, a student shall have earned 6 credits, 3 of which shall be from the following list of courses. To be classified as a **Junior**, a student shall have earned 12 credits, 7 of which shall be from the following list of courses. To be classified as a **Senior**, a student shall have earned 18 credits. Students shall take an English, Math, Science, and Social Studies course each year until these credits are fully achieved. A student must have a minimum of 26 credits to graduate unless agreed upon by committee.

Mathematics (all versions):

- Algebra I
- Geometry
- Math Models with Applications
- Algebraic Reasoning
- Algebra II
- Pre-Calculus
- AP®/Dual Credit Calculus
- Statistics
- AP®/Dual Credit Statistics
- Dual Credit College Algebra
- AP® Computer Science
- Applied Math for Technical Professionals
- Financial Mathematics
- College Preparatory Math
- Other Dual Credit Math Courses

English Language Arts (all versions):

- English I
- English II
- English III
- English IV
- Literary Genres
- Research and Technical Writing
- Creative Writing
- College Preparatory English

Social Studies/Economics (all versions):

- World Geography
- World History
- U. S. History
- Government
- Economics

Science (all versions):

- Integrated Physics & Chemistry
- Biology
- Chemistry
- Physics
- Principles of Technology
- AP®/ Dual Credit Biology
- AP®/Dual Credit Chemistry
- AP®/Dual Credit Physics
- AP® Environmental Science
- Anatomy & Physiology
- Aquatic Science
- Environmental Systems
- Earth & Space Science
- Forensic Science
- Career and Technical Education Courses determined by the Texas Education Agency to count for Advanced Math/Science

Credit Recovery is available for qualified students through the ACE (Alternative Center for Education) program, after school, distance learning, and/or credit by exam. Credit by exam for acceleration is also available. (See credit by exam application on the following page). For additional information, see your counselor. Students will be required to take the STAAR EOC state assessments regardless of how they earn credit, when state law requires it.

Please note if a student is registered with the NCAA Clearinghouse, they **MAY NOT be able to make up credit through ACE or Summer school.

Flour Bluff Independent School District Credit by Exam
Parent Approval Form

A student having an exceptional command of a subject may utilize an exam to earn credit for an academic subject. Credits by exams are offered for students having no formal prior instruction in a subject or may be utilized to overcome a failing course grade. The first time a student takes an exam, the district will pay. This applies to each new subject a student may take. If a student applies to retest, the student will be required pay for the exam. The student will be administered an examination covering the (TEKS) Texas Essential Knowledge and Skills. The exam will be developed and graded by the University of Texas. For course credit, the student must score a **minimum of 80%** on the appropriate examination. Scores resulting in award of credit will be recorded on the transcript and calculated in the grade point average.

Student's Legal First & Last Name	
FBISD Student ID#	
Grade Level	
School Counselor	
Home Phone #	
Address	
Parent/Guardian Legal First & Last Name	
Work Phone#	

Reason for requesting a credit by examination:

Course Title(s) Requested (Credit by Exam)

By signing below, I understand and agree to follow the Flour Bluff ISD district policy regarding credit by examination:
https://pol.tasb.org/Policy/Download/956?filename=EHDC(LEGAL).html&title=ALTERNATIVE%20METHODS%20FOR%20EARNING%20CREDIT&subtitle=CREDIT%20BY%20EXAMINATION%20WITHOUT%20PRIOR%20INSTRUCTION

I also understand that study guides are available on-line at https://highschool.utexas.edu/cbe_study_guides

_____ _____
Student Signature Date

_____ _____
Parent/Guardian Signature Date

**NOTE: NCAA does not recognize core credits received by Credit by Exam for recovery or advancement.

TxVSN

Texas Virtual School Network

GET CONNECTED TO YOUR FUTURE

The Texas Virtual School Network (TxVSN) allows districts the opportunity to offer educational courses through electronic means. All courses meet 100% of the Texas Essential Knowledge and Skills (TEKS) for that course. Each have been evaluated, monitored, and approved by the Texas Education Agency. The courses offered through TxVSN allow districts to expand local high school offerings and may provide credit recovery and/or advancement for specific students. Local district policy governs whether a student is eligible to request a TxVSN course and whether the district or the student is responsible for the cost of the course. Through TxVSN students have the option to take courses that:

- Are not currently available in your district or at your campus
- Allow you to connect to your class work anytime, anywhere
- Help you catch up if you have fallen behind
- Allow you to fit classes into your busy schedule
- Help prepare you for college

Students will need to submit an application to participate in TxVSN through one of the following methods:

- Students, who have not been previously successful in a course, may request to take an equivalent TxVSN course during the school day by utilizing one of their scheduled class periods. The District will pay for the course.
- Students may request to take a TxVSN course that is not offered within Flour Bluff ISD. The course must be taken during the school day by utilizing one of the student's seven periods. The District will pay for the course.
- Students may request to take a TxVSN course to accelerate instruction by taking the course outside of their regular school day. The student will pay for the course. Limited funds will be available for economically disadvantaged students.

TxVSN does not allow students to enroll themselves in the online course. An application must be completed to request a TxVSN course prior to the start of the course. Requests, that meet the specific criteria, will be considered based on available funds. The cost of the courses can range from $200.00 to $350.00. Some scholarships may be available.

Students who are approved will take one semester course at a time. Contact your counselor for additional information.

Visit the website for a listing of available courses: www.TxVSN.org

Texas Virtual School Network
Application for Course Enrollment

The following application for virtual courses offered through the Texas Virtual School Network must be completed and returned to your counselor prior to the beginning of the course. The student's acceptance into the program is based on a review of the student's needs, the transcript and the purpose for the requested course enrollment.

Name: _____
(Last) (First) (M.I.)

Today's Date _____ Date of Birth _____ Age _____ Gender: M F

SS# _____ FBISD ID# _____

Mailing Address _____
(Street) (City) (ZIP)

Phone Number _____

Are you enrolled in any of the following special programs? (Please mark each that applies.)

_____ _____ _____ _____
Special Education 504 ESL GT

Total number of High School Credits previously earned: _____
(Attach a current transcript.)

Proposed schedule for the semester in which the course is requested:

Semester _____

Period 1 _____

Period 2 _____

Period 3 _____

Period 4 _____

Period 5 _____

Period 6 _____

Period 7 _____

Which course do you wish to take online? _____

Do you wish to take the course during the school day? Yes _____ No _____

Have you previously failed the course? Yes _____ No _____

What is your reason/purpose for requesting the TxVSN course? _____
_____

Students must take the STAAR EOC when state law requires it.

ADVANCED AND AP® COURSEWORK

All students are encouraged to take challenging course work. Advanced and Advanced Placement® (AP®) coursework is designed to be college preparatory work. Students who wish to take Advanced or AP® coursework can expect the course to be both rewarding and challenging and should be prepared to spend a great deal of time devoted to homework and independent study. Students taking **AP®** coursework are also **required to take the Advanced Placement® Exam** at the end of the course.

Advanced and AP® course work is:

Reading-Intensive; Writing-Intensive; Research-Heavy
Project-Oriented; Based on Critical Thinking; Problem-Solving Skills

AP® courses are designed to assist students in obtaining college credit by successfully taking the AP® Exam; therefore, the courses are very rigorous. Most colleges and universities in the U.S., as well as colleges and universities in 24 other countries, have an AP® policy granting incoming students' credit, placement, or both, based on their AP® exam grades. Many of these institutions grant up to a full year of college credit (sophomore standing) to students who earn a sufficient number of qualifying AP® grades.

Students seeking credit through their AP® grades should note that individual colleges and universities, not the College Board® or the AP® Program, grant course credit and placement. Because policies regarding AP® grades vary, students should obtain a college's AP® policy in writing. Students can find this information by searching the institution's catalogue or Website, or by using the "College Search" feature on collegeboard.com. Key questions include:

- Will credit or placement be available for qualifying AP® grades?
- What minimum AP® exam grade qualifies a student for credit or placement?
- Must a student fulfill other requirements to receive credit or placement?

Payment Information:
Flour Bluff Independent School District pays a portion of each AP® test fee. Students are responsible for the remaining portion. The student's portion for each AP® test is $65.00. A reduced fee is available for students who qualify for free or reduced lunch. Payment for AP® tests will be collected at the beginning of the second six weeks. Payment arrangements are available, if needed. Students who have not paid, or made arrangements to pay, by the due date are subject to removal from the course at the end of the semester and will be required to pay a $40 fee for dropping the course.

Exit Procedure for Advanced and AP®: ***During the first and second six-week grading periods***, any request to exit an Advanced or AP® class will require meeting with the student's parent, teacher, and counselor/administrator. The teacher may recommend reassignment to a regular class if the student is not demonstrating success in the Advanced or AP® classroom. If a student is reassigned to a regular class, grades previously earned will be transferred to the regular class, without weighted value (unless the student has already earned semester credit). ***After the second six weeks***, students will be required to stay in the class until the end of the semester and will be required to pay a $40 fee for dropping the course and cancelling the exam.

DUAL CREDIT
(College Level Courses)

Dual Credit (college and high school credit) courses are designed to assist students in obtaining college credit by successfully taking the actual college course; therefore, the courses are *very rigorous.* Dual Credit courses are offered through Del Mar College (DMC) and Texas A & M University - Corpus Christi (TAMU-CC).

Dual Credit coursework:

- Allows the student to earn both high school and college credit at the same time. (All Dual Credit classes must be regular, **full semester** courses if available. Eight-week courses must be followed by another eight-week Dual Credit course.)
- Counts on a student's college and high school transcript and GPA
- Allows college credit to be taken at a substantial cost reduction
- May transfer to other state colleges and universities (check with college)

Students need to consider their existing grades and progress in previously taken courses before registering for Dual Credit courses. If failing ***any*** class puts the student in jeopardy of not graduating on time, courses needed for graduation must take priority over Dual Credit courses. Counselors are available to advise students prior to registration.

Application Requirements: Students taking Dual Credit coursework are **required to meet all college eligibility criteria** in accordance with college deadlines, including:

- Students must submit a **Dual Credit registration form**.
- Students must submit the **college application for admission** for Del Mar College or Texas A&M - Corpus Christi and be admitted to the chosen college.
- Students must submit **qualifying test scores** for the Texas Success Initiative Assessment (TSIA), unless exempt by ACT®, SAT®, or STAAR EOC scores.
    - The TSIA is offered to all enrolled FBHS 10th graders free of charge. Additional opportunities are offered for an exam fee of $14. See the Counseling Office for information on specific testing dates. Students may also contact the DMC Testing Center (698-1645) or the TAMU-CC Testing Center (825-2334) to schedule an appointment to take the test.
- Students must submit an official **high school transcript** to Del Mar College (698-1192), or Texas A&M-Corpus Christi (825-5700) Office of Admissions.
- Students must submit a copy of their Meningitis vaccination, per college and university requirements.

Payment Information: Students must register each semester for Dual Credit courses at the appropriate college and **must** pay for fees, as well as textbooks. Del Mar College and TAMU-CC offer discounted rates; however, students must still pay for books and supplies.

Withdrawal Information: Should a student choose to withdraw from a dual credit course, a conference with the parent, student and counselor should be held. The student must formally withdraw from the college and may lose fees paid. Students must follow all college deadlines and policies. Depending on the course, if a student is reassigned to a regular class, grades earned **MAY OR MAY NOT** be transferred to the regular class. The class will be without weighted value (unless the student has already earned semester credit).

Grades: Dual credit grades are officially reported at the end of the semester. Students do not receive official progress or report card grades. Students must earn a 70 (C) or better to earn high school credit in the course.

FLOUR BLUFF INDEPENDENT SCHOOL DISTRICT
2505 Waldron Rd.
Corpus Christi, TX 78418
Phone (361) 694-9100 Fax (361) 694-9190

PERMISSION TO RELEASE INFORMATION FOR DUAL CREDIT COURSES

The Family Education Rights and Privacy Act (FERPA) of 1974 is a federal law that gives you the right to inspect and review your student records. For your protection, FERPA limits release of information about your records without your explicit written consent.

Flour Bluff I.S.D. is requesting permission to receive this information from the college in which you are enrolled for dual credit. The purpose of our request is to facilitate enrollment, grade and attendance reporting, eligibility reporting and other pertinent matters in regard to receiving high school and college credit for the courses in which you are enrolled. If you wish the school to receive this information and to authorize us to give out information to your parents or other parties, we need the consent from you, the student, by completing and returning this form to the Registrar's Office.

I, _____, give authorized personnel of Flour Bluff
(Print Student's name)
Independent School District permission to release information regarding any academic records, attendance records, health records, judicial records, or financial payment records

To: Mother/Stepmother (name) _____

Father/Stepfather (name) _____

Guardian or Other (name) _____

Spouse (name) _____

I understand that although I am not required to release my records to this/these individual(s), I am giving my consent to release the information as indicated. I also understand that I have a right to receive a copy of such records upon request and that this release remains in effect until revoked by me, in writing, and delivered to the Registrar's Office.

_____ _____
Student Signature Date

_____
Printed Name of Student

DEL MAR COLLEGE WEST AND SOUTH CAMPUSES

DUAL CREDIT CAREER AND TECHNICAL COURSES

Flour Bluff Independent School District has contracted with Del Mar College to provide certain dual credit career and technology courses at the Del Mar College West Campus. These courses expand the offerings of our Career and Technical Education Program. They are offered as dual credit classes and are grade weighted. Students from area high schools will participate in these classes. The student's schedule must be arranged with academic classes in the morning to take afternoon classes or with academic classes in the afternoon to take morning classes. Flour Bluff Independent School District will provide transportation.

Del Mar College will provide an updated list of dual credit courses each year.

Del Mar **West Campus** course tuition will be paid by Flour Bluff I.S.D. for courses taken during the regular academic year. Tools and books will also be provided but will remain the property of the school district. If a student would like to do so, he/she may choose to purchase the books and/or tools so they may keep them after the course is complete. **Students will need to purchase uniforms, shoes, and licenses for some classes. Students who drop or fail a Career and Technical Education course may jeopardize the district's payment of future courses. Some courses may require students to successfully complete drug screening and meet age requirements. Students unable to pass this drug screening will be removed from the course and may be required to reimburse Flour Bluff ISD for the cost of the drug test.**

Craft Training Center of the Coastal Bend

The Craft Training Center of the Coastal Bend (CTCCB) is a non-profit organization, representing Corpus Christi industrial owners and contractors who are working together to solve the growing manpower shortages facing the South Texas construction industry.

The Craft Training Center of the Coastal Bend provides task-oriented skills training to students to prepare them to be hired by local industrial owners and contractors, utilizing *Contren*® curricula developed by The National Center for Construction Education and Research (NCCER).

Training areas include:

* Pipefitting
* Welding
* Instrumentation
* Electrical

Students interested in taking these courses should plan with the guidance counselor. If failing ***any*** class puts the student in jeopardy of not graduating on time, courses needed for graduation must be a priority over the Craft Training Center classes. To be trained, certified, and hired, students must be able to successfully complete drug screening through the Craft Training Center and meet age requirements.

Students unable to pass this drug screening will be removed from the course and may be required to reimburse Craft Training Center for the cost of the drug test. Certain equipment, clothing, and fees may be required of the student. Students who drop or fail a Career and Technical Education course may jeopardize the district's payment of future courses.

ONRAMPS DUAL ENROLLMENT

As part of The University of Texas at Austin **OnRamps** program, Flour Bluff High School offers dual enrollment for:

- English 3 (allowing students to earn six college hours)
- US History (allowing students to earn six college hours)
- Principles of Computer Science (allowing students to earn three college hours)
- Chemistry (allowing students to earn four college hours)
- Chemistry II (allowing students to earn four college hours)
- Pre-Calculus (allowing students to earn three college hours)

OnRamps is a unique dual enrollment program designed to bring the college experience to the high school classroom, transforming how students learn and preparing them for educational success after high school graduation. This is not a traditional dual credit or AP® course, but it is an advanced academic course that offers both rigorous coursework and the opportunity to earn college credit.

Some points to consider:

- OnRamps students do not need to take the TSIA college entrance test in order to enroll in the class.
- Dual enrollment is currently free for students
- College credit is earned through the course grade, not through earning a particular score on one test.
- OnRamps students receive separate college and high school grades.
- OnRamps teachers collaborate with college faculty and receive specialized training
- OnRamps students receive feedback from a college professor and their high school teacher.

Dual Credit Courses Offered Through
Texas A & M University-Corpus Christi
Islander Academy Program
2022-2023
Core Courses
(42 Credit Hours)

Communication (6 credit hours)
Composition I - ENGL 1301
Writing and Rhetoric – ENGL 1302

Language, Philosophy and Culture
(3 credit hours)
Literature of Western World/Classics to Renaissance – ENGL 2332
Literature of Western World/Enlightenment to Present – ENGL 2333
Literature & Culture – ENGL 2316

Creative Arts (3 credit hours)
Art & Society – ARTS 1301
Theater Appreciation – THEA 1310
Understanding & Enjoying Music – MUSI 1306

Social Studies (12 credit hours)
U. S. History to 1865 – HIST 1301
U. S. History Since 1865 – HIST 1302
U. S. Government & Politics – POLS 2305
State & Local Government – POLS 2306

Component Area Option (3 credit hours)
Macroeconomic Principles – ECON 2301
Microeconomics Principles – ECON 2302

Math (3 credit hours)
College Algebra - MATH 1314
Math for Business - MATH 1324
Calculus for Business - MATH 1325
Statistics for Life – MATH 1442
Calculus I – MATH 2413

Life and Physical Science (6 credit hours)
Biology I – BIOL 1406
Biology II – BIOL 1407
General Chemistry I – CHEM 1411
General Chemistry II – CHEM 1412
General Physics I – PHYS 1401
General Physics II – PHYS 1402
Anatomy & Physiology I – BIOL 2401
Anatomy & Physiology II – BIOL 2402
University Physics I – PHYS 2425
University Physics II – PHYS 2426
Physical Geology (Earth Space) – GEOL 1403
Intro to Astronomy (Earth Space) – PHYS 1304

Social/Behavioral Science (3 credit hours)
General Psychology – PSYC 2301
Intro to Sociology – SOCI 1301

Dual Credit Courses Offered Through Del Mar College 2022-2023 Core Courses

(42 Credit Hours)

Communications (6 credit hours)
English Composition I - ENGL 1301
English Composition II - ENGL 1302
Technical & Business Writing – ENGL 2311
Intro to Speech Communication – SPCH 1311
Fundamentals of Public Speaking Communications – SPCH 1315
Business & Professional Communication – SPCH 1321

Language, Philosophy & Culture (3 credit hours)
British Literature – ENGL 2321 or 2322
American Literature – ENGL 2326 or 2327
World Literature I – ENGL 2332
World Literature II – ENGL 2333

Social Studies (12 credit hours)
Federal Government – GOVT 2305
Texas Government – GOVT 2306
United States History I – HIST 1301
United States History II – HIST 1302
Western Civilization I – HIST 2311
Western Civilization II – HIST 2312

Math (3 credit hours)
College Algebra - MATH 1314
Elementary Statistical Methods - MATH 1342
Calculus I – MATH 2413
Math for Business I - MATH 1324
Calculus for Business - MATH 1325

Kinesiology (3 credit hours)
Intro to Physical Fitness & Wellness – KINE 1164

Life & Physical Science (6 credit hours)
Biological Concepts I – BIOL 1406
Biological Concepts II – BIOL 1407
Human Anatomy & Physiology I – BIOL 2401
Human Anatomy & Physiology II – BIOL 2402
General Inorganic Chemistry I – CHEM 1411
General Inorganic Chemistry II – CHEM 1412
College Physics I – PHYS 1401
College Physics II – PHYS 1402
University Physics I – PHYS 2425
University Physics II – PHYS 2426
Physical Geology – GEOL 1303
Historical Geology – GEOL 1304

Creative Arts (3 credit hours)
Art Appreciation – ARTS 1301
Introduction to Theater – DRAM 1310
Music Appreciation – MUSI 1306
Introduction to Humanities – HUMA 1301

Social/Behavioral Science (3 credit hours)
General Psychology – PSYC 2301
Introductory Sociology – SOCI 1301
Principles of Macroeconomics – ECON 2301
Principles of Microeconomics – ECON 2302

Certificates/Associates Degrees Offered at Del Mar College 2022-2023

This list is subject to being updated by Flour Bluff ISD or Del Mar College.

Business & Industry Endorsement

Agriculture, Food, and Natural Resources

- Environmental/Petrochemical Lab Technology
- Process Technology

Architecture and Construction

- Air Conditioning/HVAC
- Architecture (Associate in Science transfers to Texas Tech University)
- Building Maintenance Applied Technology
- Drafting and Design Technology

Arts, A/V Technology, and Communications

- Digital Media
- Interactive Game Technology

Business Management and Administration

- Business Administration

Finance

- Accounting

Information Technology

- Computer Programming
- Geographic Information Systems (GIS)/ Unmanned Aircraft Systems (UAS)
- Networking Support Specialist

Manufacturing

- Industrial Instrumentation
- Industrial Machining
- Industrial Rotating Equipment Specialist
- Welding

Transportation, Distribution, and Logistics

- Automotive/Auto Body Technology
- Aviation Maintenance and Avionics
- Diesel Applied Technology
- Non-Destructive Testing

Public Services Endorsement

Education and Training

- Child Development/Early Childhood
- Education, EC-6

Health Science Cluster

- Emergency Medical Technician

Human Services

- Cosmetology
- Psychology

Law, Public Safety, Corrections, and Security

- Criminal Justice
- Firefighter
- Occupational Safety and Health Specialist

Science, Technology, Engineering, and Math Endorsement

Science, Technology, Engineering, and Mathematics

- Biotechnology
- Engineering-Various specialties

SCHEDULE CHANGE REGULATIONS

FLOUR BLUFF HIGH SCHOOL

STUDENT SCHEDULES (EED LOCAL) FROM SCHOOL BOARD POLICY

Schedule Changes (FOB Legal) (FNG Legal)

According to Education Code 26.003, a parent may request a change in the class or teacher to which the parent's child has been assigned if the reassignment or change would not affect the assignment or reassignment of another student. The change may require a conference with the parent, student, teacher, and the principal. Classes will not be changed unless it is due to an ARD, 504 or extenuating circumstances that must be accommodated immediately.

Acceptable reasons to have a schedule change within the first six weeks are as follows:

- change of an elective to correspond with a career pathway
- upgrade of a schedule for a stronger academic load
- schedule a class needed for graduation
- correct a mistake in course placement
- add an elective that has low enrollment
- student has already failed same course under same teacher

Schedule changes will not be permitted after a student has received a grade for the first six-weeks in which he or she is enrolled in the class unless:

- A student is requesting a schedule change from an athletics class to an appropriate physical education class. Requires coach's approval.
- A student is requesting a schedule change from an NJROTC-1 class to an appropriate physical education class. Requires instructor's approval.
- All schedule changes from classes associated with a competitive team must have prior approval from the instructor of the class the student is changing and the campus principal.
- Should a student choose to withdraw from a Dual Credit course, the student must formally withdraw from the college and may lose fees paid. The student must follow all college deadlines. If a student drops a Dual Credit course prior to the completion of the course, they are only withdrawn from the college course. The high school enrollment continues with a transfer to a regular, unweighted, class for course completion. When an equivalent class is not available, the student will transfer to credit recovery to finish a similar course. The student will not be allowed to drop a dual credit course and have an excused period without the principal's approval.

Students are required to enroll in the course associated with the extracurricular activities in which they participate, unless the student is carrying a full academic load. Requests for exceptions must be approved by the campus principal and the athletic director.

Dropping Classes

- Dropping a class will not be permitted after a student has received a grade for the first six-weeks in which he or she is enrolled in the class.
- Students are permitted to drop year-long elective classes at the END of the first semester but must replace it with a half-credit elective class.
- **Dropping a class for an excused period will only be permitted before the end of the first six weeks.**

COURSE DESCRIPTIONS

Full Course Objectives, Texas Essential Knowledge and Skills (TEKS), are available on the TEA Website (http://tea.texas.gov).

NOTE: Courses are subject to change based on enrollment, resources, and available certified teaching staff. For information regarding schedule changes, please see the Student/Parent handbook.

COURSE VARIATIONS: These courses are assigned by committee only:

- **General Education with Accommodations**
  Students may receive accommodations or in-class support from General and Special Education and are required to meet all the TEKS (Texas Essential Knowledge & Skills) for the course. Students will take all required state assessments associated with the course.

- **Inclusion**
  Students will receive accommodations or in-class support from General and Special Education and are required to meet all the TEKS for the course. Students will take all required state assessments associated with the course.

- **Foundation/Functional Academic**
  Students receive modified curriculum which requires specialized instruction based on individual needs and taught by a teacher certified in Special Education. Students are placed in these courses based on their Individual Education Plan by the Annual, Review, and Dismissal Committee. (Modified electives such as: Community-Based Instruction, Recreation and Leisure, Personal Living Skills, and Occupational Preparation courses are offered to students based on their Individual Education Plan goals and objectives and taught by a teacher certified in Special Education.)

English Language Arts Courses

English I
Advanced English I

English II
Advanced English II

English III
Advanced Placement® English III
OnRamps English III or IV

English IV
Advanced Placement® English IV
Dual Credit English IV
OnRamps English III or IV

English as a Second Language I-II (ESL) **
College Preparatory English
Literary Genres: Great Short Fiction

Dual Credit Literature

** This course is assigned by committee only.

ENGLISH I
One Credit
English I is a mandatory course for graduation. Students may take Advanced English I in place of English I. Through literature, the course focuses on reading skills and strategies, grammar and composition skills, language usage, and STAAR EOC preparation through reading, writing, speaking, and listening. Students are required to take the STAAR EOC English I state assessment.

ADVANCED ENGLISH I
One Credit *(Grade Weighted)*
This course offers the English I curriculum with enrichment through novels, projects, and additional study of literary techniques. Students are required to take the STAAR EOC English I state assessment.

ENGLISH II
One Credit
Recommended prerequisite: English I
English II is a mandatory course for graduation. Advanced English II may be taken in place of English II. After reading and analyzing short stories, non-fiction articles, poetry, novels, and Shakespearean drama, the student responds in writing. Writing assignments range from well-elaborated paragraphs to multi-paragraph compositions. Students are required to take the STAAR EOC English II state assessment.

ADVANCED ENGLISH II
One Credit *(Grade Weighted)*
Recommended prerequisite: Advanced English I
This course covers the English II curriculum with enrichment through novels, a collection of short stories, and additional literary analysis. Students are required to take the STAAR EOC English II state assessment.

ENGLISH III
One Credit
Recommended prerequisite: English II
English III is a mandatory course for graduation. AP® English Language and Composition may be taken in place of English III. English III is a cohesive study of literature, grammar, and writing. The course is a chronological study of American literature. The course stresses communication skills through reading, writing, speaking, listening, and evaluating.

ADVANCED PLACEMENT® ENGLISH LANGUAGE AND COMPOSITION III
One Credit *(Grade Weighted)*
Recommended prerequisite: Advanced English II
AP® English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. Students also work to become skilled writers who compose for a variety of purposes. The course texts are college-level texts with selections written by American and other authors. The composition course teaches students to read primary and secondary sources carefully, to synthesize material from these texts in their own compositions, and to cite sources. Students become aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way generic conventions and the resources of language contribute to effectiveness in writing. **Students will be required to pay for and take the College Board® Exam in May.**

ONRAMPS ENGLISH III OR IV
One Credit *(Grade Weighted)*
Eligibility Required
Prerequisite: English I & II
This two-semester, six-credit writing intensive sequence features a fall RHE 306: Research & Writing" course in argumentation that situates rhetoric as an art of civic discourse, followed by the spring semester RHE 309K "Rhetoric of American Identity" featuring an exciting series of case studies in race, gender, and ethnicity. Over the two courses, students analyze the various positions held in any public debate and learn to advocate their own positions effectively. In the fall, students explore the ethics of argumentation and what it means to "fairly" represent someone with whom they disagree. In the spring, students analyze and compose arguments about American identity and identity formation, both personal and cultural. The goal is to foster students' abilities to analyze arguments presented by others and to write sound and effective arguments of their own – abilities that contribute meaningfully to their academic, professional, personal, and civic lives. The high-quality curriculum is designed by the faculty at The UT at Austin. Students can earn six hours of UT credit with feedback and assessment provided by UT course staff. **There are currently no tuition fees for this class, but it is subject to change.** UT - RHE 306 and RHE 309K – equivalent to ENGL 1301 and ENGL 1302 - **6 college credit hours**

ENGLISH IV
One Credit
Recommended prerequisite: English III
English IV is a mandatory course for graduation. British and World literature from the Anglo-Saxon society through the twentieth century is studied. Diverse selections become starting points for

research, discussions, essays, creative responses, projects, and publications with the purpose of exploring British and world culture as it relates to the students' world today. Internet and computer technology support classroom instruction. Standardized college entry test preparation includes a focus on grammar, vocabulary, and reasoning skills. Dual Credit or Advanced Placement® English Literature and Composition may be taken in place of English IV.

ADVANCED PLACEMENT® ENGLISH LITERATURE AND COMPOSITION IV
One Credit *(Grade Weighted)*
Recommended prerequisite: AP® English III
AP® English Literature and Composition offers college level studies and advanced level enrichment experiences in literature and composition. Independent reading is required. (Possible college credit awarded, depending on specific college and test score.) **Students will be required to pay for and take the College Board® Exam in May.**

DUAL CREDIT ENGLISH III or IV
One Credit *(Grade Weighted)*
Eligibility Required
This is a composition course providing instruction in writing and analysis of expository prose. A one-hour lab is required. The second half of the course emphasizes literature and the writing of analytical essays. **Students are expected to pay all required fees and/or tuition.**
ENGL 1301 and 1302 (R3, E3, M0)

ENGLISH AS A SECOND LANGUAGE I-II (ESL)
One Credit
Eligibility Required
The ESL course focuses on the writing process, the building of academic vocabulary, and grammar skills. ESL I and II are offered to students based upon a Home Language Survey and recommendation of a Language Proficiency Assessment Committee (LPAC). Limited English Proficient (LEP) students who qualify through assessment may be placed in ESL I & II (for state credit) as determined by the LPAC. Credit in English III & IV must also be earned to fulfill English requirements (4 credits) for graduation and must be approved by the LPAC. ESL III is available for local credit as a support class for students learning English as a second language.

COLLEGE PREPARATORY ENGLISH
One Credit
Recommended 12th grade
This course prepares students who have been previously unsuccessful on either the Reading or the Writing portion of the Texas Success Initiative Assessment exam for entry-level college English coursework. Students will review grammar and mechanics; practice writing sentences, paragraphs, and short essays; and improve reading skills with an emphasis on composition skills in English. This course may satisfy remedial English requirements at local colleges and universities. THIS COURSE WILL SATISFY THE FOURTH ENGLISH REQUIREMENT.

LITERARY GENRES: GREAT SHORT FICTION
One Credit
Recommended 12th grade
The course is designed for the student who loves to read prose. The class will use two different textbooks, one concentrates on international short fiction, and one that concentrates on contemporary short fiction. The TEKS follow Literary Genres, with scaffolding to include appreciation, interpretation, comprehension, original creation, etc. The student will be challenged not only to analyze the short stories, but also to work with conflict, text structure, archetypes and symbols across texts, and writer's motivation. The student will bring in his or her own experiences and link those experiences to stories from other time periods and cultures. The student will also have the opportunity to propose, research, and present his or her favorite short story to the class. Various avenues of investigation would start with the first masters of the style, the Russians, move on to Modernism, Post Modernism, Post Colonialism, etc. We will address social, gender, and racial inequalities, etc. THIS COURSE WILL SATISFY THE FOURTH ENGLISH REQUIREMENT.

DUAL CREDIT BRITISH LITERATURE
One Credit *(Grade Weighted)*
Eligibility Required
Prerequisite: Engl 1301
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
THIS COURSE WILL SATISFY THE FOURTH ENGLISH REQUIREMENT.
ENGL 2321 (R3, E3, M0) Del Mar College only

DUAL CREDIT AMERICAN LITERATURE
One Credit *(Grade Weighted)*
Eligibility Required
Prerequisite: Engl 1301
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**

THIS COURSE WILL SATISFY THE FOURTH ENGLISH REQUIREMENT.
ENGL 2326 (R3, E3, M0) Del Mar College only

DUAL CREDIT WORLD LITERATURE I
One Credit *(Grade Weighted)*
Eligibility Required
Prerequisite: ENGL 1301
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
THIS COURSE WILL SATISFY THE FOURTH ENGLISH REQUIREMENT.
ENGL 2332 (R3, E3, M0)

DUAL CREDIT WORLD LITERATURE II
One Credit *(Grade Weighted)*
Eligibility Required
Prerequisite: ENGL 1301
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
THIS COURSE WILL SATISFY THE FOURTH ENGLISH REQUIREMENT.
ENGL 2333 (R3, E3, M0)

DUAL CREDIT LITERATURE & CULTURE
One Credit *(Grade Weighted)*
Eligibility Required
Prerequisite: ENGL 1302
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
THIS COURSE WILL SATISFY THE FOURTH ENGLISH REQUIREMENT.
ENGL 2316 (R3, E3, M0) TAMUCC only

Speech Courses

Professional Communications
Dual Credit Introduction to Speech Communication
Dual Credit Fundamentals of Public Speaking
Dual Credit Business & Professional Communications

Reading Courses

Reading I-III (Read Right®)
Reading I-III (Reading by Design)

Writing Courses

Creative Writing
Research & Technical Writing
Dual Credit Technical and Business Writing

Journalism Courses

Journalism
Newspaper I-III
Photojournalism
Yearbook I-III

Other Related Elective Courses

Debate I-III
Humanities I-II
Dual Credit Introduction to Humanities
Oral Interpretation I

PROFESSIONAL COMMUNICATIONS
One-half Credit
Fulfills one-half credit (.5) of speech requirement. Professional communication will be examined regarding social appropriateness, environmental cues, visual supports and prompts. Emphasis will be on expanding generalization of communication to real life context and independent living. Students will explore job related recognition of words and symbols as well as their use in supported employment. Emphasis will be on expanding vocabulary, routine scripts and social interactions.

DUAL CREDIT INTRODUCTION TO SPEECH COMMUNICATION
One-half Credit *(Grade Weighted)*
Fulfills one-half credit (.5) of speech requirement. Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
SPCH 1311 (R3, E3, M1) Del Mar College only

DUAL CREDIT FUNDAMENTALS OF PUBLIC SPEAKING
One-half Credit *(Grade Weighted)*
Fulfills one-half credit (.5) of speech requirement. Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
SPCH 1315 (R3, E3, M1) Del Mar College only

DUAL CREDIT BUSINESS & PROFESSIONAL COMMUNICATION
One-half Credit *(Grade Weighted)*
Fulfills one-half credit (.5) of speech requirement. Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
SPCH 1321 (R3, E3, M1) Del Mar College only

READING I - III (READ RIGHT®)
One-half to Three Credits
READING I, II, III offers students instruction in a research-based methodology designed to develop reading with competence, confidence, and understanding. Students locate information in varied sources, read critically, evaluate sources, and draw supportable conclusions. Students learn how various texts are organized and how authors choose language for effect. All of these strategies are applied in texts that cross the subject fields. For high school students whose first language is not English, the students' native language serves as a foundation for English language acquisition and language learning. This course can be recommended for any student who did not pass their STAAR EOC Reading test. For more information on Read Right® please see the Special Programs section.

READING I - III (Reading by Design)
One-half to Three Credits
Eligibility Required
Reading by Design Program is a systematic, multisensory set of instructional routines. This program is aligned with research-based practices for developing literacy and is designed for students with basic reading difficulties, such as dyslexia. This intervention follows an intensive, explicit, and cumulative design for remediation of reading and writing skills. This comprehensive program addresses the following components: phonological awareness, sound-symbol association, six syllable types, written spelling patterns, morphology, syntax, reading fluency, and comprehension.

CREATIVE WRITING
One-half to One Credit
Students will use the literary genre of short stories as a model to create their own works. Their creative pieces will be shared with other groups of writers. The revision of written pieces for a variety of audiences is the focus. Students will also explore ways to publish their best work. Students should be willing to write, revise, and share their works with others. THIS COURSE WILL SATISFY THE FOURTH ENGLISH REQUIREMENT.

RESEARCH & TECHNICAL WRITING
One-half to One Credit
This is a state elective credit which provides STAAR EOC remediation skills. The study of technical writing and reading allows students to develop skills necessary for writing and reading persuasive and informative texts such as essays, reports, proposals, and memoranda. Students are expected to skillfully research a topic or a variety of topics and to present that information through a variety of media. All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English and to analyze the conventions used by themselves as well as by other nonfiction writers. Students will analyze and discuss published and unpublished pieces of writing, develop and apply criteria for effective writing, and set their own goals as writers. THIS COURSE WILL SATISFY THE FOURTH ENGLISH REQUIREMENT.

DUAL CREDIT TECHNICAL & BUSINESS WRITING
One-half Credit *(Grade Weighted)*
Prerequisite: Engl 1301
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
ENGL 2311 (R3, E3, M0) Del Mar College only

JOURNALISM
One Credit
Journalism introduces students to the journalistic style of writing and the methods of defining, gathering, and evaluating news. Students learn to write for publication and to design newspaper and magazine pages while studying the role of the print media in the U.S. The course provides the background for succeeding courses in yearbook, newspaper production, and advanced broadcasting.

NEWSPAPER I–III *(Level III is Grade Weighted)*
One Credit Per Year
Prerequisite: Journalism or Photojournalism
Newspaper I, II, and III are courses providing direct experience in the production of a high school newspaper. Instruction includes the acquisition of skills in the areas of writing and editing for publication, providing student coverage of school community life, using desktop publishing computer applications and developing financial responsibility by working within a production budget. Students must be willing to write and interview outside of class time. Newspaper III students receive ***grade weighted*** credit due to the time devoted to the publication outside of class.

PHOTOJOURNALISM
One Credit
Students will plan, interpret, and critique visual representations, carefully examining their product for publication. Students will also refine and enhance their journalistic skills and will plan, prepare, and produce photographs for a journalistic publication. Students will become analytical consumers of media and technology, study the laws and ethical considerations impacting photography, and use technology, visual and electronic media as tools. Photojournalism students communicate in a variety of forms for a variety of audiences and purposes.

YEARBOOK I–III *(Level III is Grade Weighted)*
One Credit Per Year
Prerequisite: Journalism or Photojournalism
Courses should be taken in sequence. Yearbook I, II, and III are courses in which the student directly participates in all aspects of yearbook production. Students use desktop publishing computer applications to write, edit, and design yearbook spreads, while covering the year pictorially through photographs. Yearbook III students receive ***grade weighted*** credit and will also explore ways to publish their best work. Students must be willing to write and take photos outside of class time and to share their work with others.

DEBATE I – III *(Level III is Grade Weighted)*
One Credit
Prerequisite: Professional Communications
Debate students are prepared for competitive tournaments (required) as they develop abilities in reading, writing, listening, speaking, and analyzing. After studying the structure and format of debates and analyzing reasoning forms and approaches (logic and critical thinking), students prepare briefs and evaluate arguments. DEBATE III is ***grade weighted*** because of high performance and skill requirements. **Competitions outside of the school day are required for Debate II and III.**

HUMANITIES I-II *(Grade Weighted)*
One-half Credit (per semester)
Humanities is an interdisciplinary program fusing language and literature, fine arts, social science, and science. Instruction includes major historical and cultural movements as they are reflected in various art forms (music, art, sculpture, architecture). The course involves intensive study of selected authors, genres, and historical periods. Competition is an integral part of the course as students participate in practice academic meets. As a culminating activity, students may compete in the Academic Decathlon as representatives of Flour Bluff High School. Humanities is grade weighted due to high performance and skill requirements.

DUAL CREDIT INTRODUCTION TO THE HUMANITIES *(Grade Weighted)*
One-half Credit
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
HUMA 1301 (R3, E3, M1) Del Mar College only

ORAL INTERPRETATION I
One Credit
This is an elective course for self-motivated students interested in theater, public speaking, and literary analysis. It involves oral interpretation of literature: prose, poetry, and drama. The skills that are acquired through performance would allow students to provide a stronger foundation for critical argument of literature as well as enhancement of presentation.

Foreign Language Courses

American Sign Language I-III

Spanish I-IV
Advanced Spanish I
Advanced Spanish II
Advanced Spanish III

French I-III

AMERICAN SIGN LANGUAGE I, II, III
(Level III Grade Weighted)
One Credit per year
Courses to be taken in sequence. In the first year of the course students learn how to form the alphabet, to sign common words and phrases, and to develop vocabulary and the skills needed to communicate effectively. The course requires students to be actively involved in sending and receiving verbal and nonverbal signs.

SPANISH I – III
FRENCH I – IV
(Levels III and higher are Grade Weighted)
One Credit Per Year
Courses are to be taken in sequence. These modern language courses are recommended for the college-bound, as well as the career-minded, student for whom the knowledge of a foreign language is a valuable asset. In the **first-year** course, students begin sequential development of the skills needed to understand and speak the foreign language. Reading, writing, listening, and speaking activities use the target language to assist with the development of skills. Reading consists primarily of elements which the student has learned to understand and speak. Writing is done primarily to reinforce grammar. The **second year and third year** levels introduce further vocabulary and grammar. Students continue to use reading, writing, listening, and speaking activities to further develop competency in the language. The foreign language is increasingly used as the vehicle for meaningful communication. Students in all levels study the culture of the countries where the language is spoken. Levels III and IV are grade weighted because of high performance and skill requirements.

ADVANCED SPANISH I ***(Grade Weighted)***
One Credit
This course is intended for serious students planning to enroll in higher level Spanish courses. Pre-AP Spanish 1 cultivates a solid foundation of the grammatical structures of the language through an accelerated Spanish 1 curriculum. Oral and written communication acquired through the target language is an integral element of the course. Projects and activities enhance the acquisition of the language. An enriched study of Spanish customs and cultures is also emphasized.

ADVANCED SPANISH II ***(Grade Weighted)***
One Credit
Prerequisite: Spanish I
This class is recommended for the college-bound, career-minded student who has an excellent knowledge of basic Spanish grammar and at least an intermediate level of fluency. Reading, writing, listening, and speaking activities use the target language to continue to develop intermediate language skills. Speaking is an integral part of this course and the predominant language of instruction is Spanish. This course is grade weighted because of the high performance and skill requirements. An independent reading component of challenging materials, including Spanish short stories, is required.

ADVANCED SPANISH III ***(Grade Weighted)***
One Credit
Prerequisite: Spanish II
This course is intended for students planning to enroll in Advanced Placement or Dual Credit Spanish level courses. The course is conducted almost entirely in Spanish. The student is expected to communicate in Spanish. AP resources will also be utilized to expose students to the proficiency requirement of the AP exam. The student will develop their ability to analyze and evaluate written and oral language. This will be facilitated through the study of Spanish literature as well as authentic language sources. The study of Spanish speaking customs and cultures will also be emphasized.

Mathematics Courses

Algebra I

Geometry
Advanced Geometry

Mathematical Models with Applications
Algebraic Reasoning
Applied Math for Technical Professionals

Algebra II
Advanced Algebra II

Pre-Calculus
Advanced Pre-Calculus
OnRamps Pre-Calculus

Advanced Placement® Calculus AB
Advanced Placement® Calculus BC
Dual Credit Calculus
Dual Credit Mathematics for Business and Social Sciences II (Business Calculus)

College Preparatory Mathematics
Financial Mathematics
Dual Credit College Algebra
Dual Credit Mathematics for Business and Social Sciences I (Business Math)

Statistics
Advanced Placement® Statistics
Dual Credit Elementary Statistical Methods

ALGEBRA I
One Credit
The purpose of Algebra I is to acquaint students with some of the fundamental properties of the real number system, to give them practice in deductive reasoning, introduce algebraic notation and graphing, begin a study of linear and nonlinear relations, and apply algebraic manipulations to solve equations, inequalities, and word stated problems. Students are required to take the STAAR EOC Algebra I state assessment.

GEOMETRY
One Credit
Prerequisite: Algebra I
Geometry involves the recognition of two-dimensional figures and their properties, as well as the study of three-dimensional figures. It increases the ability to deal with spatial concepts. Geometry also develops logic and reasoning skills through formal proofs of various theorems and properties.

ADVANCED GEOMETRY
One Credit *(Grade Weighted)*
Prerequisite: Algebra I
Advanced Geometry involves an in-depth recognition of two-dimensional figures and their properties, as well as the study of three-dimensional figures. It explores spatial concepts and helps develops logic and reasoning skills through formal proofs of various theorems and properties. Geometrical application projects are assigned each grading period.

MATHEMATICAL MODELS WITH APPLICATIONS
One Credit
Recommended Prerequisite: Algebra I, Geometry
Math Models is a mathematical process course that uses calculations, equations, graphs, justification and proofs and systems of equations to describe and explain real world situations.

ALGEBRAIC REASONING
One Credit
Recommended Prerequisite: Algebra I, Geometry
In this course, students will broaden their knowledge of functions and relationships, studying functions through analysis and application which includes explorations of patterns and structure, number and algebraic methods, and modeling from data. Students use tools that build workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets. This course would be an alternative to Algebra 2 for students not pursuing a math-related career. THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

APPLIED MATH FOR TECHNICAL PROFESSIONALS
One Credit
Recommended Prerequisite: Algebra I, Geometry
Only students enrolled in CTE courses through Del Mar College or Craft Training Center will be admitted into this course. In this course, students will extend their mathematical thinking and reasoning skills by using problem solving situations, hands-on activities, and technology are used in this course to. Situations relating to technical applications provide students opportunities to make connections with mathematics and the workplace. In addition, students will learn the skills necessary to communicate using mathematics. THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

ALGEBRA II
One Credit
Recommended Prerequisite: Algebra I, Geometry
A solid background in Algebra I is required. Credit in Geometry is recommended. The study of Algebra II allows students to develop logical reasoning skills by implementing fundamental algebraic concepts. Such concepts include linear functions, equations and inequalities, variable relationships, problem solving, radicals and radical expressions, exponential and logarithmic functions, rational expressions, matrices, and analytic geometry dealing with quadratic functions. THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

ADVANCED ALGEBRA II
One Credit *(Grade Weighted)*
Recommended Prerequisite: Advanced Geometry
This course follows the objectives stated for Algebra II but is a more extensive and rigorous course of study. Higher level thinking skills are required as students are expected to analyze problems and formulate an approach to their solutions. Students must be independent thinkers and be willing to go past "how" to determine "why." THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

PRECALCULUS
One Credit
Prerequisite: Algebra II and Geometry
This course includes the study of trigonometry. The course stresses the fundamental approach in presentation of topics, allows a rigorous development of mathematical concepts, and provides a review of high school mathematics courses. THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

ADVANCED PRECALCULUS
One Credit *(Grade Weighted)*
Recommended Prerequisite: Advanced Geometry and Advanced Algebra II
Advanced Pre-Calculus extends concepts of Algebra and Geometry to students in a college-preparatory program and is designed for students who are going to take AP® Calculus in high school as well as students going to college. The course includes the study of trigonometry. It also stresses the fundamental approach in presentation of topics, a rigorous development of mathematical concepts and reviews high school mathematics courses. THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

ONRAMPS PRE-CALCULUS
One Credit *(Grade Weighted)*
Eligibility Required
Prerequisite: College Algebra
In Discovery Pre-Calculus, students will deepen and extend their knowledge of functions, graphs, and equations from their high school algebra and geometry courses so they can successfully work with the concepts in a rigorous university-level calculus course. This course is designed to push students well beyond "drill and kill" type exercises, with an emphasis on unpacking mathematical definitions and making logical arguments to their peers. The course is divided into seven units. Each unit consists of a series of explorations designed to engage students and empower them to develop their problem-solving skills. In each exploration, students will create connections with prior concepts in developing the current topic. Students will experience high-quality curriculum designed by the faculty at The University of Texas at Austin. Students can earn three hours of UT credit with feedback and assessment provided by UT course staff. THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT
There are currently no tuition fees for this class, but it is subject to change.
UT Math 305G – equivalent to Math 2312 - **3 college credit hours**

ADVANCED PLACEMENT® CALCULUS AB
One Credit *(Grade Weighted)*
Recommended Prerequisite: Advanced Pre-Calculus
Calculus helps train students to think logically and is fundamentally different from the mathematics that students have studied previously. Calculus is less static and more dynamic. It is concerned with change and motion; it deals with quantities that approach other quantities. By the time students finish this course, they will be able to use the ideas of calculus to decide where to sit in a movie theater, explain the shapes of cans, position a shortstop and explain the formation and location of rainbows. Possible college credit may be awarded, depending on the specific college and/or test score. **Students will be required to pay for and take the College Board® Exam in May.** THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

ADVANCED PLACEMENT® CALCULUS BC
One Credit *(Grade Weighted)*
Prerequisite: Advanced Placement Calculus AB
The dynamic nature of calculus is further explored in this course. Possible college credit may be awarded, depending on the specific college and/or test score. **Students will be required to pay for and take the College Board® Exam in May.**

DUAL CREDIT CALCULUS
One Credit *(Grade Weighted)*
Eligibility Required
College Prerequisite: Dual Credit Algebra and Trigonometry or permission from Professor
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.** THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT
MATH 2413 Calc I (R3, E1, M3)

DUAL CREDIT MATHEMATICS FOR BUSINESS AND SOCIAL SCIENCES II (BUSINESS CALCULUS)
One Credit *(Grade Weighted)*
Eligibility Required
Prerequisite: MATH 1314 or MATH 1324
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.
MATH 1325 (R3, E1, M3)

COLLEGE PREPARATORY MATHEMATICS
One Credit
Prerequisite: Algebra II
This course is intended to prepare students who have been previously unsuccessful on the Math portion of the Texas Success Initiative exam for entry-level college mathematics coursework. Students will review skills in Algebra and Geometry to prepare for College Algebra. This course may satisfy the remedial mathematics requirements at local colleges and universities. THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

FINANCIAL MATHEMATICS
One Credit
Recommended Prerequisite: Algebra I, Geometry
Career and technical education instruction provides content aligned with challenging academic standards and relevant knowledge and skills for students to further their education and succeed in current or emerging professions. Students will use financial mathematics to integrate career and postsecondary education planning into financial decision making. The students will use financial mathematical processes to acquire and demonstrate critical-thinking skills to analyze personal financial decisions to be successful problem solvers in everyday life, society, and the workplace. Students will also demonstrate an understanding of appropriate communication with customers, employers, and coworkers through verbal, nonverbal, or digital means. THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

DUAL CREDIT COLLEGE ALGEBRA
One Credit Per Semester *(Grade Weighted)*
Eligibility Required
Prerequisite: Algebra II
Fundamentals of algebra, including inequalities, functions, quadratic equations, exponential and logarithmic functions, systems of equations, determinants and instructor option of binomial theorem or progressions (or both). **Students are expected to pay all required fees and/or tuition.** THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

DUAL CREDIT MATHEMATICS FOR BUSINESS AND SOCIAL SCIENCES I (BUSINESS MATH)
One Credit *(Grade Weighted)*
Eligibility Required
Prerequisite: Algebra II
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.
MATH 1324 (R3, E1, M3)

STATISTICS
One Credit
Recommended Prerequisite: Algebra I, Geometry
Students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis. This course would be a good choice for those students planning on a career in the areas of Business, Medical, or other Social Services. THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

ADVANCED PLACEMENT® STATISTICS
One Credit *(Grade Weighted)*
Recommended Prerequisite: Advanced Algebra II
AP® Statistics blends the calculations and deductive thinking of mathematics with data exploration and experimentation. The course emphasizes college-level learning experiences and is built around four main topics: exploring data, planning a study, probability as it relates to distributions of data and inferential reasoning. Students should have advanced mathematics skills and an Advanced course background. **Students will be required to pay for and take the College Board® Exam in May.** THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

DUAL CREDIT ELEMENTARY STATISTICAL METHODS
One Credit Per Semester *(Grade Weighted)*
Eligibility Required
Prerequisite: Algebra II
This statistical course covers description-frequency distributions, measures of location, variation, probability-basic rules, concepts of random variables and their distributions (including binomial and norm al); statistical inference-confidence intervals, tests of hypotheses p-values, introduction to linear regression. **Students are expected to pay all required fees and/or tuition.** THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.
MATH 1342 (R3, E1, M3) Del Mar College only

DUAL CREDIT STATISTICS FOR LIFE
One Credit Per Semester *(Grade Weighted)*
Eligibility Required
Prerequisite: Algebra II
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.
MATH 1442 (R3, E1, M3) TAMUCC only

Science Courses

Biology
Advanced Biology
Advanced Placement® Biology
Dual Credit Biology

Integrated Physics and Chemistry (IPC)

Chemistry
Advanced Chemistry
Advanced Placement® Chemistry
Dual Credit Chemistry
OnRamps Chemistry
OnRamps Chemistry II

Physics
Advanced Physics
Advanced Placement® Physics 2
Advanced Placement® Physics C
Dual Credit Physics

Principles of Technology

Anatomy and Physiology
Dual Credit Anatomy and Physiology

Aquatic Science
Environmental Systems
Advanced Placement® Environmental Science
Earth and Space Science
Forensic Science
Dual Credit Geology

BIOLOGY I
One Credit
Students learn how science has built a body of changing and increasing knowledge described by physical, mathematical and conceptual models. Biology studies a variety of topics that include: structure and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs, nucleic acids and genetics; taxonomy; metabolism and energy transfers in living organisms; living systems; and homeostasis. Students are required to take the STAAR EOC Biology state assessment.

ADVANCED BIOLOGY
One Credit *(Grade Weighted)*
Recommended: Concurrent enrollment in Advanced Geometry
Advanced Biology is a preparatory course for Advanced Placement® Biology or college Biology. Students learn how science has built a body of changing and increasing knowledge described by physical, mathematical, and conceptual models. Biology studies a variety of topics that include: structure and functions of cells and viruses; growth and development of organisms; cells, tissues and organs; nucleic acids and genetics; taxonomy; metabolism and energy transfers in living organisms; living systems; and homeostasis. Students are required to take the STAAR EOC Biology state assessment.

ADVANCED PLACEMENT® BIOLOGY
One Credit *(Grade Weighted)*
Recommended Prerequisite: Advanced Chemistry, Advanced Biology
The AP® Biology course is designed to be the equivalent of a college introductory biology course. The course covers molecular biology, cytology, cell process, genetics, evolution, classification, anatomy, zoology and botany. The AP® Biology course helps students develop an understanding of a science as an interrelated process and to perfect critical thinking and laboratory skills. **Students will be required to pay for and take the College Board® Exam in May.** THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

DUAL CREDIT BIOLOGY
One Credit *(Grade Weighted)*
Eligibility Required
Prerequisite: One year each of high school biology and chemistry, or concurrent enrollment in Chemistry. Per TEC, §28.025(b-5), Physics MUST be taken prior to taking a Dual Credit Science course for a Science credit.
BIOL1406- BIOLOGICAL CONCEPTS 1 - CELLULAR AND MOLECULAR
Provides a foundation in biological concepts for students majoring in the sciences. Includes fundamentals of molecular biology, cell structure and function, cellular respiration, photosynthesis, cell reproduction, genetics and biotechnology.
BIOL 1407 - BIOLOGICAL CONCEPTS II - EVOLUTION, DIVERSITY, STRUCTURE, FUNCTION AND ENVIRONMENT
Provides a foundation in biological concepts for students majoring in the sciences. Includes evolution, origin and history of life, classification and diversity of life; plant and animal structures, functions and life cycles; behavior, ecology and global ecology.
Students are expected to pay all required fees and/or tuition. THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.
BIOL 1406 AND 1407 (R3, E3, M3) **(new REM)**

INTEGRATED PHYSICS AND CHEMISTRY (IPC)
One Credit
Students 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.

CHEMISTRY
One Credit
Recommended Prerequisite: Biology, Algebra I, Geometry & concurrent enrollment in Algebra II
Students study the properties, composition and structure of matter and of the energy involved. The course includes historical development, problem-solving, and laboratory experimentation. Chemistry is the foundation for all areas of medical science as well as many other branches of science and technology.

ADVANCED CHEMISTRY
One Credit *(Grade Weighted)*
Recommended Prerequisite: Advanced Biology, Algebra I, Geometry and concurrent enrollment in Algebra II. Students complete a rigorous and comprehensive study of the Chemistry TEKS while expanding college readiness skills and preparing for the complex thinking expected in Advanced Placement® science courses. By performing experiments, analyzing data, manipulating numbers mathematically, and studying scientific information, students develop the skills and knowledge necessary to better understand the world. Students explore the properties, functions and interrelations of matter and

energy. Mathematical computations and written lab reports are a strong part of chemistry and therefore math and English proficiency is integrated throughout the course.

ONRAMPS CHEMISTRY
One Credit *(Grade Weighted)*
Eligibility Required
Principles of Chemistry I addresses 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. Built with an intention to engage students from a variety of backgrounds, students in the course will learn how to successfully study science by organizing their learning around mastery and ownership of materials. Introduction to Chemical Practices I, the course's lab component, provides an introduction to the techniques of modern experimental chemistry, and is designed to instill basic laboratory and analytical skills. This is a high-quality curriculum designed by the faculty at The University of Texas at Austin. Students can earn four hours of UT credit with feedback and assessment provided by UT course staff.
There are currently no tuition fees for this class, but that is subject to change.
UT CH 301 & 104M (equivalent to TCCNs: CHEM 1311 + CHEM 1111)- **4 college credit hours**
THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

ONRAMPS CHEMISTRY II
One Credit *(Grade Weighted)*
Eligibility Required
Prerequisites: OnRamps Chemistry
Principles of Chemistry II and Introduction to Chemical Practices II continues the development and application of concepts, theories, and laws underlying chemistry that were introduced in Principles of Chemistry I. The course extends the study of thermodynamics to the development of chemical equilibria and kinetics with applications to water chemistry and electrochemistry. In addition, students will gain insight into the workings of the material world through introduction to nuclear chemistry, battery technology, polymer chemistry and applications in organic chemistry and biochemistry. Introduction to Chemical Practices II—the course's lab component—provides laboratory exercises that focus on analytical laboratory techniques, modern chemistry instrumentation, such as spectrophotometers, voltage probes, and a variety of experimental protocols of how to analyze and identify unknowns.
There are currently no tuition fees for this class, but that is subject to change.
UT CH 302 & 104N (equivalent to TCCNs: CHEM 1312 + CHEM 1112) - **4 college credit hours**
THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

ADVANCED PLACEMENT® CHEMISTRY
One Credit *(Grade Weighted)*
Recommended prerequisite: Algebra II, and Advanced Chemistry.
AP® Chemistry offers college-level studies and advanced-level enrichment experiences involving chemical changes of matter. **Students will be required to pay for and take the College Board® Exam in May.** Colleges may grant credit based upon AP® test scores. THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

DUAL CREDIT CHEMISTRY
One Credit *(Grade Weighted)*
Recommended Prerequisite: Chemistry and Algebra II (grade of 80).
Prerequisite or concurrent enrollment: MATH 1314 or equivalent.
Per TEC, §28.025(b-5), Physics MUST be taken prior to taking a Dual Credit Science course for Science credit.
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.
CHEM 1411 and 1412 (R3, E3, M3)

PHYSICS
One Credit
Recommended prerequisite: Biology, Chemistry, Algebra I, Geometry and completion of /or concurrent enrollment in Algebra II.
PHYSICS is the study of the interaction of matter and energy. The investigative approach is used, and it includes: problem solving and laboratory investigations of such topics as force and motion, work, heat, sound, light, magnetism and electricity. Physics provides a solid basis for college bound students who will major in science and engineering. Students will produce various projects.

ADVANCED PHYSICS I
One Credit *(Grade Weighted)*
Recommended Prerequisites: Completion of Geometry and strongly recommended completion or concurrent enrollment in Algebra II.
Advanced Physics 1 is equivalent to a first semester college course in algebra-based physics. The first-year course covers Newtonian mechanics; work, energy and power; mechanical waves and sound and introduces electric circuits**.**
THIS COURSE WILL SATISFY THE PHYSICS CREDIT.

ADVANCED PLACEMENT® PHYSICS II
One Credit *(Grade Weighted)*
Recommended Prerequisites: Advanced Physics or comparable introductory course in physics, strongly recommended completion or concurrent enrollment in Pre-Calculus.
AP® Physics 2 is an option for a second year of physics study. It is equivalent to a second semester college course in algebra-based physics. The course covers fluid mechanics, thermodynamics, electricity and magnetism, optics and atomic and nuclear physics. **Student will be required to pay for and take the AP® Physics 2 College Board® exam in May.** THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

ADVANCED PLACEMENT® PHYSICS C
One Credit *(Grade Weighted)*
Recommended Prerequisites: Advanced Physics 1 or comparable introductory course in physics. In addition, completion or concurrent enrollment in Calculus strongly recommended.
AP® Physics C is an option for a second year of Physics study and is equivalent to one semester of calculus based (engineering) college physics. Physics C: Mechanics will provide instruction in each of the following six content areas: kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. The course utilizes guided inquiry and student-centered learning to foster the development of critical thinking skills and uses introductory differential and integral calculus throughout. **Student will be required to pay for and take the AP® Physics C: Mechanics College Board® exam in May.**
THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

DUAL CREDIT PHYSICS
One Credit per Semester *(Grade Weighted)*
Eligibility Required
Prerequisite: Pre-Calculus and an introductory course in Physics
Prerequisite: MATH 1314 and 1316, or 2312
Per TEC, §28.025(b-5), Physics must be taken prior to taking a Dual Credit Science course for a Science credit.
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.
PHYS 1401 and 1402 (R3, E1, M3)

DUAL CREDIT UNIVERSITY PHYSICS
One Credit per Semester *(Grade Weighted)*
Eligibility Required
Prerequisite: MATH 2414 or placement beyond MATH 2414 and PHYS 1310
Per TEC, §28.025(b-5), Physics must be taken prior to taking a Dual Credit Science course for a Science credit.
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.
PHYS 2425 and 2426 (R3, E1, M3)

PRINCIPLES OF TECHNOLOGY
One Credit
Recommended Prerequisite: Chemistry, Algebra II;
Principles of Technology is a systems approach to the understanding of physics concepts and mathematics. Focus is on force, work, rate, resistance, energy and power of mechanical, electrical, fluid and thermal systems. The course is a "hands-on" experiment-based study of physics. This course will count as a Physics credit.

ANATOMY AND PHYSIOLOGY-
One Credit
Prerequisite: Biology and Chemistry required (strong reading skills recommended)
This course offers both exploratory and advanced activities covering the structures and functions of the components of the human body. Investigations build a base for those working to pursue a medical career. Instruction centers on the relationship of the systems of the human body to the physiological functions of the body, including structures, cell specialization and gross anatomy. THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

DUAL CREDIT ANATOMY AND PHYSIOLOGY
One Credit *(Grade Weighted)*
Eligibility Required
Prerequisite: Biology and Chemistry required (strong reading skills recommended).
Per TEC, §28.025(b-5), Physics must be taken prior to taking a Dual Credit Science course for Science credit.
Dual Credit Anatomy and Physiology is the in-depth study of the structure and function of the systems of the body. Each system will be examined from the microscopic to macroscopic level focusing on physiology from the cellular level to the gross anatomical level. The course will include lab practical and research projects and it will provide a foundation for all those pursuing a medical career. **Students have to purchase texts and some lab manuals. Students are also expected to pay all required fees and/or tuition.** THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.
BIOL 2401 and 2402 (R3, E3, M2)

AQUATIC SCIENCE
One Credit
Recommended Prerequisite: Three (3) science credits
Aquatic Science includes the study of marine/aquatic organisms and ecological relationships. Physical oceanography topics such as tides and other water movements, water chemistry, marine pollution, and marine/aquatic topography are presented. Field studies are emphasized. Numerous marine fields such as marine ecology, marine biology, marine technology, and oceanography are investigated. THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

ENVIRONMENTAL SYSTEMS
One Credit
Recommended prerequisite: Biology and Chemistry
Environmental Systems is the study of cycles, organisms, process and their interactions. Field studies are emphasized. Environmental Systems includes studies of: habitats, ecosystems, biomes, pollution, air and soil quality, energy flows, populations and human activity. This is a good course for building/reviewing STAAR Biology concepts. THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

ADVANCED PLACEMENT® ENVIRONMENTAL SCIENCE
One Credit *(Grade Weighted)*
Prerequisite: Algebra II and two (2) years of high school laboratory science - Advanced Biology and Advanced Chemistry are recommended.
AP® Environmental Science is designed to provide students with scientific principles and concepts required to understand the interrelationships of the natural world and to identify and analyze environmental problems. Participation in field trips is required. **Students are required to pay for and take the College Board® Exam in May.** THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

EARTH & SPACE SCIENCE
One Credit
Recommended Prerequisites: Three units of science, one of which may be taken concurrently and three units of math, one of which may be taken concurrently. (Recommended for students in grade 12 but may be taken by students in grade 11) This course is the study of Earth in space and time; solid Earth and fluid Earth. The course explores how earth-based and space-based astronomical observations reveal differing theories about the structure, scale, composition, origin and history of the universe. THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

DUAL CREDIT EARTH SPACE SCIENCE
One Credit per Semester *(Grade Weighted)*
Eligibility Required
Prerequisite: MATH 2413 or placement beyond MATH 2413
Per TEC, §28.025(b-5), Physics must be taken prior to taking a Dual Credit Science course for a Science credit.
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.
DEL MAR: GEOL 1303 and 1304 (R3, E3, M2)
TAMUCC: GEOL 1403 and PHYS 1304 (R3, E3, M3)

FORENSIC SCIENCE
One Credit
Prerequisites: Biology and Chemistry.
Recommended prerequisite or corequisite: any Law, Public Safety, Corrections, and Security Career Cluster course.
Forensic Science introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. THIS COURSE WILL SATISFY THE FOURTH SCIENCE REQUIREMENT.

Social Studies Courses

World Geography
Advanced World Geography

World History
Advanced World History
Advanced Placement® World History

U.S. History
Advanced Placement® U.S. History
Dual Credit U.S. History
OnRamps U.S. History

U.S. Government
Advanced Placement® U.S. Government and Politics
Dual Credit Government

Economics
Dual Credit Economics

Other Related Elective Courses

Personal Financial Literacy
Psychology
Dual Credit Psychology
Sociology
Dual Credit Sociology
Special Topics in Social Studies – U.S. History Through Film
Methodology for Academic and Personal Success (MAPS) – required for all 9th graders

WORLD GEOGRAPHY
One Semester/One Credit
World Geography is a comprehensive survey of the World by regions. Each major region will be examined for its physical, political, economic and cultural composition and its impact on the world. Homework & study are required as this is the first-time students have encountered world information on this scale.

ADVANCED WORLD GEOGRAPHY
One Semester/One Credit *(Grade Weighted)*
The second semester will be MAPS
Advanced World Geography offers advanced level studies with enriched overviews of world cultures, their accomplishments, interactions with each other and the environment. The course emphasizes the interconnections of the environment and the human condition. Independent reading, research projects, and presentations along with current events and issues will supplement the core instruction.

WORLD HISTORY
One Credit
This course is an overview of the history of mankind from all parts of the world emphasizing major forces in geography, commerce and political ideals. The course study requires students to examine and analyze important historical figures, events and issues from the earliest times to the present.

ADVANCED WORLD HISTORY
One Credit *(Grade Weighted)*
This is a weighted course which students could take in place of the regular or Advanced Placement® World History course. Coursework would focus on the academic building blocks necessary for later, successful enrollment in college-level courses. Strategies to improve students' historical thinking skills (i.e. interpretation and analysis) would be provided to develop a foundation for Advanced Placement® classes. Students will develop the writing skills necessary for college-level work (i.e. structuring an argument).

ADVANCED PLACEMENT® WORLD HISTORY One Credit *(Grade Weighted)*
Prerequisite: Advanced World History
The AP® World History course is a rigorous, fast-paced, college-ready course. This course is focused on helping students develop important historical thinking skills such as crafting historical arguments from historical evidence, chronological reasoning, comparison and contextualization, and historical interpretation and synthesis. Acquiring these skills will enable students to deepen their grasp of historical content and contexts. Students will develop their analytical skills. This sharpened instructional focus prepares students for subsequent college courses by enabling them to think and reason systematically and deeply. The study of world history requires students to think on many different geographic and temporal levels. This course will prepare students to explore broad trends and global processes over time**. Students are required to pay for and take the AP® World History Exam in May.**

U.S. HISTORY
One Credit
Recommended Prerequisite: World History
In this course, students will study the history of the United States since Reconstruction to the present. The political, economic and social events and issues related to the years 1865 to the present. Students will examine, evaluate, analyze cause and effect and use critical thinking skills to interpret the history of the U.S. Events and issues studied will include the industrialization and urbanization of the U.S., major wars, domestic and foreign policies, and reform movements. Students are required to take the STAAR EOC U.S. History state assessment.

ADVANCED PLACEMENT® UNITED STATES HISTORY
One Credit *(Grade Weighted)*
Intensive and rigorous reading requirement.
AP® United States History is designed to offer high school students learning experiences equivalent to college introductory U.S. History. The course provides both comprehensive review of U.S. History from the pre-colonial period to present and thorough preparation for taking the AP® U.S. History examination. Independent reading and essay writing is required. **Students are required to pay for and take the College Board® Exam in May.**
Students are also required to take the STAAR EOC U.S. History state assessment.

DUAL CREDIT UNITED STATES HISTORY
One Credit *(Grade Weighted)*
Eligibility Required
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
Students are required to take the STAAR EOC U.S. History state assessment.
HIST 1301 & 1302 (R3, E3, M1)

ONRAMPS UNITED STATES HISTORY
One Credit *(Grade Weighted)*
Eligibility Required
Prerequisite: English 2 & World History
In these two sequential first-year college American history courses, students study significant themes in US history to uncover the range and depth of the American story. Using lectures, primary and secondary readings, videos, maps, and other graphics, students work both independently and collaboratively to develop the critical thinking skills to evaluate the historical record. History 315K surveys from the colonial beginnings through the Civil War, and History 315L considers the post-Civil War era to the end of the 20th century. Exams include essay questions that require students to craft well-written narratives and arguments that set events in historical context, engage the complexity of cause and consequence, and make connections that reveal the dynamic of change over time.
There are currently no tuition fees for this class, but it is subject to change.
HIS 315K and HIS 315L – equivalent to HIST 1301 and HIST 1302 (6 college credits)

DUAL CREDIT WESTERN CIVILIZATION I and II
One Credit Each Semester (Grade Weighted)
Eligibility Required
Prerequisite: US History
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
HIST 2311 & 2312 (R3, E3, M1) Del Mar College only

U.S. GOVERNMENT
One-half Credit
American Government is a survey course delving into the workings of the U.S. Government. Various topics included are the Constitution, political parties, interest groups and the branches of the government. The course prepares students as citizens and may lead to a career in law, politics or political science.

ADVANCED PLACEMENT® U. S. GOVERNMENT AND POLITICS
One-half Credit *(Grade Weighted)*
Spring Semester only
Recommended Prerequisite: AP® United States History, and Advanced or AP® World History
AP® U.S. Government and Politics is designed to provide the students with a learning experience equivalent to that obtained in most college introductory US Government and Politics courses. Independent reading and essay writing is required. (College credit may be earned, depending on specific college and test score achieved.) **Students are required to pay for and take the College Board® Exam in May.**

DUAL CREDIT GOVERNMENT
One-half Credit *(Grade Weighted)*
Eligibility Required
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
Students are expected to pay all required fees and/or tuition.
GOVT 2305 (R3, E3, M1) U.S. Government
GOVT 2306 (R3, E3, M1) State Government
GOVT 2305 WILL SATISFY THE GRADUATION REQUIREMENT FOR GOVERNMENT.

ECONOMICS
One-half Credit
Economics focuses on the basic economic principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world. Students examine the rights and responsibilities of consumers and businesses.

DUAL CREDIT ECONOMICS
One-half Credit *(Grade Weighted)*
Eligibility Required.
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
ECON 2301 (R3, E3, M2) Macroeconomics
ECON 2302 (R3, E3, M3) Microeconomics
ECON 2301 WILL SATISFY THE GRADUATION REQUIREMENT FOR ECONOMICS.

PERSONAL FINANCIAL LITERACY
One-half Credit
This course is designed to be an interactive and research-based course. Students will apply critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and college and postsecondary education and training. Students will learn methods of paying for college and other postsecondary education and training and completing the application for federal student aid provided by the U.S. Department of Education.

PSYCHOLOGY
One-half Credit
In psychology, students consider the development of the individual and the personality. The study of psychology is based on a historical framework, stressing the role of the individual in society. The study of psychology also relies on effective collection and analysis of data. Students study topics such as theories of human development, personality, motivation, and learning. The student will be expected to understand and use basic principles of testing and measurement, to analyze evidence collected through various means of research, and to present the results of research orally and in writing.

DUAL CREDIT PSYCHOLOGY
One-half Credit *(Grade Weighted)*
Eligibility Required
Survey of the science of psychology. Topics may include scientific methods of the fields, learning, memory, biology, personality theory, stress, and mental disorders. A departmental semester exam is required, even if the student earns an exemption from high school courses. **Students are expected to pay all required fees and/or tuition.**
PSYC 2301 (R3, E3, M1)

SOCIOLOGY
One-half Credit
In sociology, students study dynamics and models of individual and group relationships. Students study topics such as the history and systems of sociology, cultural and social norms, social institutions, and mass communication. Students will study and analyze the social norms and behaviors of various subcultures and will understand the societal roles of government, geography, economics and culture.

DUAL CREDIT SOCIOLOGY
One-half Credit *(Grade Weighted)*
Eligibility Required
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
SOCI 1301 (R3, E3, M1)

SPECIAL TOPICS IN SOCIAL STUDIES – U.S. HISTORY THROUGH FILM
One Credit
12th grade ONLY
This course will follow the theme, "What is an American?" by exploring historical topics and periods using films, outside readings, lectures and class discussions. Students will complete character analysis of the characters to determine "what kind of American" the character is and explore the validity of films as historical sources. This history course is reading and writing intensive and treats films as texts deserving the same skills of critical thinking and analysis as other sources used within a history course. It offers a glimpse into the social, political, and cultural historical moment in which it was created. It will be explained to parents that the students will be viewing several G, PG, and PG 13 rated movies. A committee consisting of an administrator, the department chair and a teacher will review each film prior to use in the course.

METHODOLOGY FOR ACADEMIC AND PERSONAL SUCCESS (MAPS)
One Credit One Semester
Required Freshman Course
The MAPS course focuses on the skills and strategies necessary for students to make a successful transition into high school. Students will explore high school programs, higher education, and the professional world and establish both immediate and long-range personal goals. Students will develop time-management, organization, and study skills and will also explore self-understanding, decision-making, resiliency, attitude, character education, and leadership. Students may complete an outside community service-learning experience.

METHODOLOGY FOR ACADEMIC AND PERSONAL SUCCESS II (MAPS II)
One-half Credit
Sophomore or Junior level Course
In this class, students will build intrapersonal awareness of their thought processes, emotions, strengths, and hopes for the future, and practice self-management strategies. Students will explore the effects of thought on emotions and behavior, develop coping strategies for stress reduction, identify their strengths and interests, explore careers and colleges, and set and achieve goals. This class is also designed to help students develop skills that build healthy, positive relationships.

METHODOLOGY FOR ACADEMIC AND PERSONAL SUCCESS III (SENIOR MAPS)
One-half Credit
12th grade ONLY
This class equips senior students to apply social & emotional skills to employability skills and preparation for independent living. It is designed to help equip seniors to transition successfully from high school to college and/or the workforce. It also helps students identify "best fit" colleges, complete college applications, complete the Free Application for Federal Student Aid, and keep a budget in order to make smart, safe financial decisions.

Physical Education Courses

Foundations of Personal Fitness
Aerobic Activities
Individual or Team Sports
Dual Credit Introduction to Physical Fitness and Wellness

Athletics
Athletic Trainer
Cheerleading
Drill Team
Marching Band (Fall)
Naval Junior Officers Training Corps Program I (NJROTC I)

Other Related Elective Courses

Naval Junior Officers Training Corps Program (NJROTC) I-IV

Health

FOUNDATIONS OF PERSONAL FITNESS
One-half to One Credit
The purpose of this course is to motivate students to strive for lifetime fitness with an emphasis on the health-related components of physical fitness. The knowledge and skills taught in this course include teaching students about the process of becoming fit as well as achieving some degree of fitness within the class. The concept of wellness, or striving to reach optimal levels of health, is the cornerstone of this course and is exemplified by one of the course objectives-students designing their own personal fitness program.

AEROBIC ACTIVITIES
One-half to One Credit
Students are exposed to a variety of activities that promote health-related fitness. A major expectation of this course is for the student to design a personal fitness program that uses aerobic activities as foundations.

INDIVIDUAL OR TEAM SPORTS
One-half to One Credit
Students are expected to participate in a wide range of individual sports that can be pursued for a lifetime. The continued development of health-related fitness and the selection of individual sports activities that are enjoyable is a major objective of this course.

DUAL CREDIT INTRODUCTION TO PHYSICAL FITNESS AND WELLNESS
One Credit *(Grade Weighted)*
Eligibility Required
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
KINE 1164 (R1, E1, M0) Del Mar College Only

ATHLETICS
One-half Credit (per semester)
Eligibility Required
PE equivalency
All athletic courses are PE equivalencies.
Students may use up to four athletic credits as state credits.

ATHLETIC TRAINER
One-half Credit (per semester)
Eligibility Required
PE equivalency
This course is designed to give students hands-on experience in the treatment and rehabilitation of athletic injuries. Fundamentals of kinesiology and biomechanics are taught. The course requires participation outside of the school day, working practices and contests. There are long hours and hard work involved, but the rewards are tremendous. Students must have a strong commitment and permission from the athletic trainer or athletic director to be enrolled in the class.

CHEERLEADING
One-half to One Credit toward PE equivalency (Fall Semester)
Eligibility Required (Assigned by Committee)
This course is a requirement for students who are selected to the cheerleading team. The purpose of this course is to create and uphold enthusiastic school spirit, promote good sportsmanship, and good citizenship while maintaining good academic standing. The goal of instructional and performance activities is to enhance each individual member's skills and development in cheerleading. Each team member must be committed and dedicated to the extra time required outside of the school day to achieve personal and team improvement and growth. Students on the cheerleading team serve as representatives of our school and community and are required to attend athletic, academic, and community events.

DRILL TEAM
One-half to One Credit toward PE equivalency
Eligibility Required (Assigned by Committee)
Students learn synchronized kick routines which are choreographed to music. The Drill Team creates school spirit and promotes good sportsmanship by performing routines at extra-curricular school events. Students are required to attend athletic, academic, and community events. It is the responsibility of the parent/guardian to meet and satisfy all financial requirements associated with drill team activities/membership. Drill Team serves as a substitute for the state-mandated P.E. requirement for graduation. Students must take a physical exam.

MARCHING BAND
One-half to One Credit toward PE equivalency (Fall Semester)
Eligibility Required
See Fine Arts Course Descriptions

NAVAL JUNIOR OFFICERS TRAINING CORPS PROGRAM (NJROTC)

NJROTC I
One Credit
May count as a PE equivalency
NJROTC I serves as the foundation for the development of "fellowship" skills. The goals of the NJROTC program are explained, study skills are developed, Military Customs and Courtesies are demonstrated, and rudimentary marching skills are started. Performance requirements are limited to preparation and participation in the Annual Military Inspection. The commencement of leadership and command skills begin through involvement in Unit competitive teams. Students will learn to make informed decisions based on participation in Leadership Academies and Mini-Boot Camps. NJROTC I covers a multi-disciplinary curriculum spanning Leadership, Social Sciences, Geography, Oceanography, History through 1860 and Health Education.

NJROTC II
One Credit
NJROTC II expands upon the burgeoning leadership skills first developed in NJROTC I. Approaches to leadership and influencing behavior are taught. Performance expectations are limited to preparation and participation in the Annual Military Inspection. Involvement in competitive teams is strongly encouraged. Unit management responsibility is assigned to cadets seeking opportunities to excel. Group and individual technical skills, both from a leadership and drill perspective, will be learned through practice and through participation as instructors in Mini-Boot and Leadership Academies. NJROTC II covers an interdisciplinary curriculum encompassing Leadership, Career Planning, Citizenship, History 1860-WWII, Meteorology and Weather. Successful completion of this class allows for accelerated advancement to pay grade E-2 in the military services.

NJROTC III
One Credit
NJROTC III cadets serve in secondary leadership positions of the Unit. Leadership assignment responsibilities are expected of most third-year cadets. Performance expectations are limited to preparation and participation in the Annual Military Inspection. Involvement in competitive teams is strongly encouraged and is required for upper echelon officer positions. Advanced Group and individual technical skills, both from a leadership and drill perspective, will be learned through continued practice and through participation as instructors in Mini-Boot and Leadership Academies. NJROTC III covers an interdisciplinary curriculum encompassing Leadership, Military Justice, Astronomy, International Law and the Sea, Power, and National Security, History Post-WWII to Bosnia and Challenges of the Future. Successful completion of this class allows for accelerated advancement to pay grade E-3 in the military services.

NJROTC IV
One Credit *(Grade Weighted)*
NJROTC IV cadets serve in the Primary Leadership positions of the Unit. Leadership assignment responsibilities are expected of all fourth-year cadets. Performance expectations are limited to preparation and participation in the Annual Military Inspections. Every NJROTC IV cadet officer must have completed summer training at Navy Mini-Boot Camp and the Navy Leadership Academy. NJROTC IV cadets are expected to instruct other cadets in all aspects of group leadership and technical drill aspects. Involvement in competitive teams is strongly encouraged and is required for upper echelon officer positions. NJROTC IV covers a curriculum designed to complete an advanced leadership program. Successful completion of this class allows for accelerated advancement to pay grade E-3 in the military services. NJROTC IV is grade weighted because of its high performance, leadership and technical skill requirements.

HEALTH
One-half Credit
In health education, students acquire the health information and skills necessary to become healthy adults and learn about behaviors in which they should and should not participate. To achieve that goal, students will understand the following: students should first seek guidance in the area of health from their parents; personal behaviors can increase or reduce health risks throughout the lifespan; health is influenced by a variety of factors; students can recognize and utilize health information and products; and personal/interpersonal skills are needed to promote individual, family and community health.

Fine Arts Courses

Art I
Art II
Art III Design II
Art III Advanced Art
Art IV Design III
Art IV Advanced Placement® Art
Dual Credit Art Appreciation

Theatre Arts I-IV
Technical Theatre I-IV
Theatre Production I
Dual Credit Theater

Music I-IV Band
Music I-IV Instrumental Ensemble
Music I-IV Jazz Ensemble
Junior Varsity Music II-III Band
Band Color Guard/Winter Guard

Choral Music I-IV
Varsity Treble Choir I-IV
Tenor-Bass Choir I-IV
Junior Varsity Treble Choir I-IV

Dual Credit Music Appreciation

ART I
One Credit
Students study the elements and principles of design to develop skills in creative thinking and communication, and use a variety of media, which may include drawing (pencil, pastels, charcoal, colored pencil), painting (tempera and watercolor), sculpture (clay, paper), printmaking (linoleum), computers (enrichment), and mixed media. Art appreciation, art history and evaluation through student and teacher critiques expand the student's verbal and visual vocabulary. Students keep a notebook for class notes and vocabulary that will be used to study for tests. Students who plan on continuing in higher levels of art are encouraged to keep a sketchbook to develop drawing and compositional skills and to participate in a variety of local, regional and national art competitions. Art 1 is the prerequisite for the other art courses, which include Painting II, Electronic Media II, Graphic Design III, and Advanced and AP® Studio Art.

ART II: FOUNATIONS OF ART
One Credit
Prerequisite: Art I
Art II is a full year course designed for students who have successfully completed Art I. Art II students will expand their knowledge of the foundation of art, use a broad variety of media, techniques, processes and tools to create original, complex compositions that reflect personal growth, solve visual art problems, and communicate ideas.

ART III: DESIGN II
One Credit
Prerequisite: Art II and Computer Literacy
Students use the elements and principles of design to create artwork for illustration, package or product design, architecture and interior design, advertising, music or theater productions, murals, contests and other artistic applications. Processes include painting, drawing, printmaking, and computer art. Art history focuses on fine and commercial art to develop an understanding of composition and self-expression. Art critiques enable students to evaluate their own work as well as that of famous artists. Career development includes exposure to careers in the arts and expansion of workplace skills. The course emphasizes attention to individual interests and strengths. Students will work in collaboration with the teacher to devise an individual project to be executed outside of class (homework) each six weeks in order to develop artistic skills and work on areas of interest. Participation in a variety of local, regional, and national art competitions is encouraged.

ART III: ADVANCED ART
One Credit *(Grade Weighted)*
Prerequisite: Art II
This course provides opportunities for capable and highly motivated students to prepare a series of artwork, both in and out of the classroom to be used in the Advanced Placement® portfolio in their senior year. Processes include drawing, painting, printmaking, mixed media and electronic media. The continued development of composition and technique and of a personal style is stressed. Students will work in collaboration with the teacher in the early development of the AP® Portfolio, as well as individual projects to be executed outside of class (homework) each six weeks in order to develop artistic skills and work on areas of interest. Participation in a variety of local, regional, and national art competitions is expected. Students are required to devote time outside of the normal class period.

ART IV: DESIGN III
One Credit *(Grade Weighted)*
Prerequisite: Art III
Student interests, strengths and career orientation determine individualized plans for development in art history and criticism and in production of original works of art. Students prepare a portfolio for display and for use in applying for higher education admission and scholarships. Computers and traditional art media are used to create images that communicate which may include illustrations, advertising, commercial designs, wearable art and others. Processes include drawing, painting, printmaking, and electronic media. Students will collaborate with the teacher to devise an individual project to be executed outside of class (homework) each six weeks in order to develop artistic skills and work on areas of interest. Participation in local, regional and national art competitions is expected.

ART IV: ADVANCED PLACEMENT® ART
One Credit *(Grade Weighted)*
Prerequisite: Art III
Opportunities are provided for the capable and highly motivated student to prepare a series of artworks for the AP Portfolio to be submitted in early May to be evaluated by the College Board® for college credit. This course requires independent research and a commitment to producing a large number of quality artworks, both in and out of the classroom. The AP Portfolio consists of 29 compositionally sound and technically proficient artworks in three sections: Quality, Concentration (based on a central theme or concept) and Breadth (based on a variety of styles and media). Students will work in collaboration with

the teacher in the development of an AP Portfolio focusing on drawing or 2- dimensional art, as well as individual projects to be executed outside of class (homework) each six weeks in order to develop artistic skills and work on areas of interest. Participation in a variety of local, regional, and national art competitions is expected. To successfully submit the portfolio for AP® credit, students must devote considerable time outside of the normal class period. **Student will be required to pay for and take the College Board® Exam in May.**

DUAL CREDIT ART APPRECIATION
One Credit *(Grade Weighted)*
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
ARTS 1301 (R3, E3, M1)

THEATRE ARTS I
One Credit
Theatre Arts I is a survey course providing an overview of all aspects of the art of Theatre. Students explore a variety of performance styles, receive an introduction to technical theatre, and begin their study of theatre history. No prior theatre experience or course is required to be eligible for this course. Theatre I students have the opportunity to audition for all departmental productions and may choose to compete in theatre and speech related competitions. This course fulfills the requirements for a Fine Arts Credit.

THEATRE ARTS II
One Credit
Prerequisite: Theatre Arts I
Theatre Arts II builds upon the background established in Theatre Arts I. Students expand and explore their abilities as performers and continue a study of the cultural contributions of the drama. Students study styles of theatre including children's theatre and puppet theatre, as well as studying historical styles of acting. Students also begin to explore the role of the director through student directed scenes. **Theatre II students are expected to audition for all departmental productions.**

THEATRE ARTS III
One Credit
Prerequisite: Theatre Arts II
Theatre Arts III continues the student's study of Theatre with a more in-depth exploration of techniques and styles of acting. The course is tailored to meet the needs of the students who are enrolled in the course but includes an increased emphasis on directing and the production process. Increased attention is focused toward student creativity, poise, confidence, and individuality. Students begin to explore college opportunities and the skills necessary for regional and professional auditions. **Students are expected to audition for and meaningfully participate in all school productions either on-stage or backstage.**

THEATRE ARTS IV
One Credit *(Grade Weighted)*
Prerequisite: Theatre Arts III
Theatre Arts IV is a grade weighted course for students with a strong interest in Theatre as a possible career choice. The course is tailored to meet the needs of the students who are enrolled in the course, but students continue to study directing and acting, as well as collaborating with design students on a theatrical production. Additionally, students will explore college options and prepare for college auditions. There is increased attention to creativity, poise, confidence and individuality, through students' active participation in major productions. Students explore colleges and prepare for college entrance and scholarship auditions**. Students are expected to take a leadership role in school productions.**

TECHNICAL THEATRE I
One Credit
Recommended Prerequisite: Theatre I
Technical Theatre I is an independent course within the theatrical arts offerings at the high school level. The majority of the work in the class consists of learning to construct scenery for all types of drama productions including working with lights, properties, costumes, makeup, sound, etc. The remaining time is used on projects to improve the theatre arts department and to staff all activities that occur there. **This course may require a commitment of time outside the academic school day.**

TECHNICAL THEATRE II
One Credit
Prerequisite: Technical Theatre I /Teacher Approval
This course is a continuation of Technical Theatre I. Students assume a leadership role in preparing the theatre for school drama productions and provide lighting and sound for school assemblies and other activities which utilize the auditorium. **This course may require a commitment of time outside the academic school day.**

TECHNICAL THEATRE III
One Credit
Prerequisite: Technical Theatre II/Teacher Approval
Students have the opportunity to select and specialize in one or more of the following areas: scenery, properties, lighting, sound, stage management and publicity. Students are expected to take a leadership role in the school productions, as well as helping to facilitate community and district productions which occur in the auditorium. **This course may require a commitment of time outside of the academic school day.**

TECHNICAL THEATRE IV
One Credit *(Grade Weighted)*
Prerequisite: Technical Theatre III/Teacher Approval
Technical Theatre IV is a grade weighted course for students with a strong interest in a Technical Theatre or Theatrical Design career. The course is tailored to meet the needs of the students who are enrolled in the course and their particular areas of interest. Students have the opportunity to serve in leadership positions on technical crews and to apply the creative process through design and practical application of those designs. Additionally, students will explore college options and prepare a portfolio of their design work. Students are expected to take a leadership role in school productions, as well as helping to facilitate community and district productions which occur in the auditorium. **This course may require a commitment of time outside of the academic school day.**

THEATRE PRODUCTION I
One Credit
Prerequisite: Theatre Arts I-IV/Teacher Approval
Theatre Production is a course for students with a strong interest in competitive and performance Theatre. The course is tailored to meet the needs of the students who are enrolled in the course, but students continue to study directing and acting. There is increased attention to Texas Forensics Association (TFA), the fall production, & UIL One Act Play participation, and UIL competitions. Additionally, students will explore college options and prepare for college auditions. Students explore colleges and prepare for college entrance and scholarship auditions. Students are expected to take a leadership role in school productions and be active in the International Thespian Society.

DUAL CREDIT THEATER
One Credit (Grade Weighted)
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
DRAM 1310 (R3, E3, M1) Del Mar College
THEA 1310 (R3, E3, M1) TAMUCC

BAND

MUSIC I BAND
One Credit
BAND I serves as a wind and percussion student's first year as a member of a performance ensemble at the high school level. Performance expectations in BAND I are based on students' performance proficiency obtained through three (3) continuous years of study in a middle band program or its equivalent. Students will demonstrate independently and in ensembles accurate intonation and rhythm, fundamental skills and basic performance techniques while performing moderate to difficult literature. Students will make informed judgments regarding the quality and effectiveness of musical performances, interpret music symbols and terms referring to dynamics, tempo and articulation during solo and ensemble performances. BAND I students read and perform music that incorporates rhythmic patterns in simple, compound and asymmetric meters, and use standard music terminology to define concepts of intervals, music notation, chord structure, rhythm/meter and musical performance.

MUSIC II BAND
One Credit
Prerequisite: Band I/Director Recommendation
BAND II serves as a wind and percussion student's second year as a member of a performance ensemble at the high school level. Performance expectations in BAND II are based on students' performance proficiency obtained through four (4) continuous years of study in a middle school and high school band program or its equivalent. Students will demonstrate independently and in ensembles accurate intonation and rhythm, intermediate level skills and more advanced performance techniques while performing moderately difficult literature. BAND II students will be expected to compare and contrast music forms of selected performance literature, perform expressively from memory and notation from a varied repertoire of music.

MUSIC III BAND
One Credit
Prerequisite: Band II/ Director Recommendation
BAND III serves as a wind and percussion student's third year as a member of a performance ensemble at the high school level. Performance expectations in BAND III are based on students' performance proficiency obtained through five (5) continuous years of study in a middle school and high school band program or its equivalent. Students will demonstrate independently and in ensembles accurate intonation and rhythm, advanced skills and advanced performance techniques while performing moderately difficult literature. Students will be able to sight read major, minor, modal and chromatic melodies, as well as evaluate and offer constructive suggestions for the improvement of musical performance. Students will exhibit, describe and critique small and large ensemble performance techniques during formal and informal concerts.

MUSIC IV BAND
One Credit *(Grade Weighted)*
Prerequisite: Band III/ Director Recommendation
BAND IV serves as a wind and percussion student's fourth year as a member of a performance ensemble at the high school level. Performance expectations in BAND IV are based on students' performance proficiency obtained through six (6) continuous years of study in a middle school and high school band program or its equivalent. Students will demonstrate independently and in ensembles accurate intonation and rhythm, advanced skills and advanced performance techniques while performing difficult literature as well as demonstrate diverse musical styles through performance. BAND IV students are expected to demonstrate refined musical style and interpretation as well as self-evaluation, insight and leadership skills. Group and individual technical skills, both instrumental and artistic, will be learned through the rehearsal and practice of advanced/difficult literature and technical exercises.

MUSIC I-IV INSTRUMENTAL ENSEMBLE
One Credit Per Year
Prerequisite: Director Recommendation
Ensemble Class will offer lessons and practice time for students. The addition of the class helps to insure success for these individuals at UIL and TMEA competitions.

MUSIC I-IV JAZZ ENSEMBLE
One Credit Per Year
Prerequisite: Director Recommendation
Jazz Ensemble is a performance-based course for students who want to learn the history of jazz in America, learn to improvise, and perform jazz literature. Students will sight read major, minor, modal and chromatic melodies, as well as evaluate and offer constructive suggestions for improvement of musical performances in the jazz style. Students will exhibit, describe, and critique small and large ensemble performance techniques during formal and informal jazz concerts.

JUNIOR VARSITY MUSIC I-III BAND
One Credit Per Year
Prerequisite: Director Recommendation
Junior Varsity Band serves as an alternative to students who have chosen not to participate in Marching Band. The class is designed to work on individual skills and prepare the student for Spring Concert Band classes.

BAND COLOR GUARD/WINTER GUARD
One-half Credit (per semester)
Eligibility Required (Assigned by Committee)
This class is designed to prepare the students for upcoming competitions and to enhance performance of the Color Guard for the next Marching Band Season. Students who complete this class will be eligible to audition as a guard member in the Marching Band. The Winter Guard Class (Spring Semester) will be a continuation of the Varsity Marching Color Guard.

CHORAL MUSIC I - IV
One credit Per Year
Level IV is Grade Weighted
Courses should be taken in sequence.
Students are exposed to a variety of vocal literature and provided with an opportunity to develop and explore their special abilities in music. Mixed choruses develop skills such as rhythm, pitch and basic musical symbols, which are essential to interpreting the musical score. Accurate pitch and tone production breathe techniques and part singing are stressed. Students are acquainted with the heritage of choral literature. Placement in the choir will be based on a selected criteria and/or director recommendation. Students may also participate in a vocal ensemble. CHORAL MUSIC IV is *grade weighted* because of high performance and skill requirements.

VARSITY TREBLE CHOIR I - IV
One Credit Per Year
Prerequisite: Director's Approval
Level IV is Grade Weighted
This is an advanced ensemble for those who read music well, display independence in multipart singing and are dedicated to improving themselves

through choir. Ability to pass a Jensen's Level 4 singing sight-reading exercise with a minimum of 75% accuracy is also a prerequisite. The class incorporates the study of music history, music theory and advanced vocal performance techniques into the interpretation of musical selections. The voice is developed to sing in a wide range of musical styles, primarily Treble choir a cappella literature. The students will study topics from ancient vocal repertoire to contemporary a cappella singing putting into practice all they study. Students will be able to compete at all solo contests and auditions for honor ensembles. This is a very busy performing choir and the top-level treble voice chair.

TENOR-BASS CHOIR I - IV
One Credit Per Year
All members must pass a simple audition for membership. The class incorporates the study of music history, music theory and vocal performance techniques into the interpretation of musical selections. The voice is developed to sing in a wide range of musical styles, with emphasis on Tenor-Bass Mixed choir literature. The students will study topics from ancient vocal repertoire to contemporary a cappella singing putting into practice all they study. Students will be able to compete at all solo contests and audition for honor ensembles. This is a performing choir and the only level of choir for tenor bass voices.

JUNIOR VARSITY TREBLE CHOIR I - IV
One Credit Per Year
This is a beginning level choir for treble voiced students who have had little or no vocal music training. Students are taught the fundamentals of vocal technique, music theory, solfege, music reading and unison/2-part vocal literature. Students will be able to compete at all solo contests, audition for honor ensembles and become eligible for advancement opportunities at the end of each semester for Varsity Choir. This is a performing choir and the first level choir for treble voices.

DUAL CREDIT MUSIC APPRECIATION
One Credit (Grade Weighted)
Eligibility Required
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
MUSI 1306 (R3, E3, M1)

Technology Applications Courses

Business Information Management I-II
Business Computer Applications (Dual Credit)

Fundamentals of Computer Science
Advanced Computer Science (Computer Science Level II)
Computer Science III
Advanced Placement® Computer Science
OnRamps Computer Science

Principle of Arts, Audio/Video Technology and Communication
Audio/Video Production I
Audio/Video Production II
Digital Art Technology I

Digital Art and Animation
Digital Media

Principles of Information Technology
Web Technologies

Other computer-based courses as approved by the Flour Bluff Independent School Board.
Please find course descriptions in the Information Technology section on pages 106-109.

BUSINESS INFORMATION MANAGEMENT I
One Credit
Recommended Grade Levels 9-12
Prerequisite: Middle School Technology Applications, strong keyboarding skills necessary
Business Information Management I is a Career and Technology Education course preparing students to apply technology skills to workplace business situations focused on word processing, spreadsheet, database, telecommunications, desktop publishing, presentation management, networking, operating systems and emerging technologies. Students complete the course at the intermediate skill level in word processing, spreadsheet and database applications. This course will fulfill the Technology Applications requirement for graduation.

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

DUAL CREDIT BUSINESS COMPUTER APPLICATIONS
One Credit *(Grade Weighted)*
Prerequisite: Middle School Technology Applications, strong keyboarding skills necessary
Students must complete all college registration requirements. This course will fulfill the Technology Applications requirement for graduation.
Students are expected to pay all required fees and/or tuition.
BCIS 1305 (R1, E1, M0)

COMPUTER SCIENCE I
One Credit
Recommended Grades 9-10
Prerequisite: Middle School Technology Applications, strong keyboarding skills necessary
Computer Science I 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. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations and concepts. Fulfills the Technology Applications requirements for graduation.

ADVANCED COMPUTER SCIENCE
One Credit (Grade Weighted)
Recommended Grades 10-11
Prerequisite: Computer Science I
This course will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Students will select appropriate technology, synthesize knowledge, create solutions, and evaluate results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of computer science through the study of technology operations, systems, and concepts. This course is second in a track that begins with the Computer Science I course, followed by this course, and concluding with AP® Computer Science and Computer Science III. This course also serves as a second year of a programming language which, under HB 5, allows students to earn foreign language credit for graduation.

COMPUTER SCIENCE III
One Credit (Grade Weighted)
Recommended Grades 12
Prerequisite: Advanced Computer Science
This course fosters creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will gain an understanding of advanced computer science data structures through the study of technology operations, systems, and concepts.

ADVANCED PLACEMENT® COMPUTER SCIENCE
Two Credits *(Grade Weighted)*
Recommended Grades 11-12
Prerequisites: Advanced Algebra II, experience in problem solving and structuring of a topic in a logical manner.
Recommended Prerequisite: Advanced Computer Science
Emphasizes programming methodology with a concentration on problem solving, algorithm development, data structures and abstraction. Students will design and implement computer-based solutions to problems, will develop and select appropriate algorithms and data structures to solve problems and will be able to code fluently using the JAVA programming language. AP® Computer Science case studies require reading and understanding large programs and the design and development processes leading to the program as well as ethical and social implications of computer use. **Students will be required to pay for and take the College Board® Exam in May.** THIS COURSE WILL SATISFY THE FOURTH MATH REQUIREMENT.

ONRAMPS COMPUTER SCIENCE
One Credit *(Grade Weighted)*
Recommended Grades 11-12
Eligibility Required
Recommended Prerequisite: Algebra 1, and Middle School Technology Applications, strong keyboarding skills necessary
Preferred Prerequisite: Algebra 2
This course is an introduction to the fundamental concepts of computing: how computers work, what they can do, and how they can be used effectively. The course is organized around the following six learning modules: Impact – Examining the tremendous impact of computing on the world. Programming – Coding programs that serve useful functions. Representation – Exploring the digital representation of everything. Digital Manipulation – Programmatically modifying digital media. Big Data – Discovering new knowledge through the analysis of large data sets. Artificial Intelligence – Introducing AI through its modern applications. This course will fulfill the Technology Applications requirement for graduation.
There are currently no tuition fees for this class, but it is subject to change.
Fulfills the college Natural Science and Technology core credit requirement.
CS 302 (3 college credits)

PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY AND COMMUNICATION (Principles of AAVTC)
One Credit
Prerequisite: Middle School Technology Applications, strong keyboarding skills necessary
The Arts, Audio/Video Technology, and Communications Career Cluster focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. Careers require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Within this context, students will be expected to develop an understanding of the various career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities. Fulfills the Technology Applications requirement for graduation.

AUDIO/VIDEO PRODUCTION I
One Credit
Prerequisite: Principles of AAVTC
In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on pre-production, production, post-production audio, and video products.

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

DIGITAL AUDIO TECHNOLOGY I
One Credit
Prerequisite: Audio/Video Production II
Course content is aligned with challenging academic standards and relevant technical knowledge and skills for students to further their education and succeed in current or emerging professions. Digital Audio Technology I was designed to provide students interested in audio production careers such as audio

for radio and television broadcasting, audio for video and film, audio for animation and game design, music production and live sound, and additional opportunities and skill sets. Digital Audio Technology I is recommended as a single credit, co-curricular course with an audio production technical emphasis. Students will be expected to develop an understanding of the audio industry with a technical emphasis on production and critical-listening skills.

DIGITAL ART AND ANIMATION
One Credit
Prerequisite: Principles of AAVTC
This visual communication course introduces basic design, drawing, photography, storyboarding, typography, and imaging techniques using Adobe Photoshop, Illustrator, Bryce 3-D and other advanced applications. Students will create original animations (2-D and 3-D), illustrations, web design images, and graphic design products such as CD covers, posters, packaging, utilizing cameras, scanners, graphics tablets, sound equipment and traditional art media.

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

PRINCIPLES OF INFORMATION TECHNOLOGY
One Credit
Prerequisite: Middle School Technology Applications, strong keyboarding skills necessary
Students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment. Students will identify various employment opportunities in the information technology field. They will also demonstrate knowledge of the different hardware and software components associated with information systems. Together, students will analyze network systems. Student will also demonstrate a clear understanding of legal and ethical procedures as they apply to the use of information technology. Fulfills the Technology Applications requirement for graduation.

WEB TECHNOLOGY
One Credit
Prerequisite: Middle School Technology Applications, strong keyboarding skills necessary
This course focuses on scripting, developing searching strategies, publishing skills and placing information on a web server. The popularity of the WWW is due largely to the ease with which users access and navigate the web and also create pages of information to share with others. Students will design and develop a visual interface using web authoring tools. Fulfills the Technology Applications requirement for graduation.

Local Credit Courses

Teacher Aide
Library Science
Guidance Office Practice
Office Practice

Local credit courses cannot be used to satisfy graduation requirements on the Graduation Plans.

TEACHER AIDE

One-half to One Local Credit (1/2 - 1)

Prerequisite: Eligibility and application required (responsible students passing all courses in previous semester and completion of all state testing requirements, no office referrals, no excessive absences).

TEACHER'S AIDE is offered to junior or senior level students. Students in this class perform basic duties, such as alphabetizing and filing, collating papers, and other tasks assigned by the teacher. STUDENTS MUST PROVE CAPABLE OF MAINTAINING CONFIDENTIALITY OF INFORMATION RECORDS. Approval is required on request form.

LIBRARY SCIENCE

One-half to One Local Credit (1/2 - 1)

Prerequisite: Eligibility and application required (responsible students passing all courses in previous semester and completion of all state testing requirements, no office referrals, no excessive absences).

LIBRARY SCIENCE is designed for juniors and seniors interested in working in a library. Students check out and shelve books and perform other clerical duties.

Librarian approval required on request form.

GUIDANCE OFFICE PRACTICE

One-half to One Local Credit (1/2 - 1)

Prerequisite: Eligibility and application required (responsible students passing all courses in previous semester and completion of all state testing requirements, no office referrals, no excessive absences).

GUIDANCE OFFICE is offered to junior or senior level students who will assist in delivering passes, perform basic secretarial skills and assist with duties as needed in the Guidance office and the Attendance office. STUDENTS MUST PROVE CAPABLE OF MAINTAINING CONFIDENTIALITY OF INFORMATION RECORDS. Counselor approval is required on request form.

OFFICE PRACTICE

One-half to One Local Credit (1/2-1)

Prerequisite: Eligibility required (responsible students passing all courses in previous semester and completion of all state testing requirements, no office referrals, no excessive absences).

OFFICE PRACTICE is offered to junior or senior level students. Students in office practice perform basic secretarial duties, such as alphabetizing and filing, collating papers, and receptionist tasks. STUDENTS MUST PROVE CAPABLE OF MAINTAINING CONFIDENTIALITY OF INFORMATION RECORDS. Attendance Office approval is required on request form.

Career and Technology Education Courses and You:

Which courses will help you prepare for your career and earn credit toward your chosen endorsement?

Note: Tuition and fees may apply for Dual Credit courses.

CAREER PREPARATION I and II
Two Credits each;
Recommended Grade: 11-12;
The goal of Career Preparation is to provide students with knowledge that will help them develop a variety of skills to achieve career success in a changing workplace. This class will include topics such as employability, work ethics and habits, employer expectations, interpersonal skills, and safety in the workplace.

PRINCIPLES OF HUMAN SERVICES
One Credit;
Grades: 9-12
This course will enable students to investigate careers in the human services cluster, including counseling and mental health, early childhood development, family and community and personal care services. Students are expected to gain the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers. Students will use acquire skills in personal management, conflict resolution and leadership in order to enhance their career opportunities in the field of human services.

INTERPERSONAL STUDIES
One-half Credit;
Grades: 10-2;
Prerequisite: Principles of Human Services
This course examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

LIFETIME NUTRITION & WELLNESS
One-half Credit;
Grades: 10-12;
Prerequisite: Principles of Human Services
This course will allow students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness, as well as pursue careers related to hospitality and tourism, education and training, human services and health sciences. Emphasis will be on the role of nutrients in the body, principles of digestion and metabolism, knowledge of nutritionally balanced diets, safety and sanitation, knowledge of food management principles and investigation of careers in nutrition.

Fashion Design

FASHION DESIGN
One Credit; Recommended Grade Levels: 10-12;
Recommended Prerequisite: Principles of Arts, Audio/Video Technology and Communication
This course covers various careers in fashion, including aspects of the textile and apparel industries. Students will develop technical knowledge and skills needed for success in careers within fashion. Emphasis will be on applying academic knowledge and skills in fashion, textiles and apparel projects, professional communication strategies, ethical decision making, production process from design concept to finished project, and the use of technologies in the fashion industry.

FASHION DESIGN II with Fashion Design Lab
Two Credits with Lab; (*Grade Weighted);*
Grades: 10-12;
Prerequisite: Fashion Design
In this course, students will be expected to develop an advanced understanding of fashion, with an emphasis on design and production. Emphasis will be on the evolution of garment development and fashion, worldwide fashion production, textile

suitability for specific applications and uses and implications of textile characteristics on apparel and fashion. Students may create a portfolio of fashion designs and produce quality fashion products. **2 period class**

Business

PRINCIPLES OF BUSINESS, MARKETING & FINANCE
One Credit – semester course;
Grades: 9-12
(This should be taken as the first business course.)
Students gain knowledge and skills in economics and private enterprise systems, the impact of global business, marketing of goods and services, advertising and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing and finance.

MONEY MATTERS
One Credit – semester course;
Grades: 9-12;
Recommended Prerequisite: Principles of Business, Marketing, and Finance
Students will investigate global economics with emphasis on the free enterprise system and its impact on consumers and businesses. Students apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to set long-term financial goals based on those options. Students will determine methods of achieving long-term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning.

ENTREPRENEURSHIP
One Credit – semester course;
Grades: 9-12
Recommended Prerequisite: Principles of Business, Marketing, and Finance.
Students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired, and the potential for profit. Students learn basic accounting principles, explore market research, establish a basic knowledge of business ethics, and learn about credit and pricing structure.

Culinary Arts

INTRODUCTION TO CULINARY ARTS (DUAL CREDIT)
One Credit – Fall semester course; Grades: 10-12
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition. Students must purchase uniform and miscellaneous personal supplies.**
Fall - CHEF 1301 Basic Food Preparation and CHEF 1305 Sanitation & Safety (R2, E2, M1)

BAKING AND PASTRY ARTS (DUAL CREDIT)
One Credit – Spring semester course;
Grades: 10-12
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition. Students must purchase uniform and miscellaneous personal supplies.**
Spring - PSTR 1301 Fundamentals of Baking and HAMG 2305 Hospitality Management and Leadership (R2, E2, M1)

CULINARY ARTS II (DUAL CREDIT)
Two Credits;
Grades: 11-12
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition. Students must purchase uniform and miscellaneous personal supplies.**
Prerequisites: CHEF 1301, 1305; PSTR 1301.
Assessment Levels: R2, E2, M1.
Fall: IFWA 1318 Nutrition for the Food Service Professional & PSTR 2431 Advanced Pastry Shop / Spring: RSTO 2301 Principles of Food and Beverage Controls & CHEF 1310 Garde Manger

ADVANCED CULINARY ARTS (DUAL CREDIT)
Two Credits;
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition. Students must purchase uniform and miscellaneous personal supplies.**
Prerequisites: CHEF 1301, 1305; PSTR 1301, 2431.
Assessment Levels: R2, E2, M2.

Fall/Spring: Students will take two courses per semester, depending on student interest or degree plan.

PRACTICUM IN CULINARY ARTS (DUAL CREDIT)
Two Credits *(Grade Weighted)*;
Grades: 11-12
May include an Extended Lab for one extra credit Spring Semester;
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition. Students must purchase uniform and miscellaneous personal supplies.**
Students will take courses specializing in one area of Culinary Arts. See your counselor for details.

Craft Training Center

INTRODUCTION TO WELDING (Craft Training Center)
One-half Credit; Fall Semester
Grades: 10-12;
The curriculum offers skill development in oxy-acetylene and electric welding of plate and pipe. Students have the opportunity to develop skills and understanding of related and technical industry.

PRINCIPLES OF CONSTRUCTION (Craft Training Center)
One-half Credit;
Grades: 10-12; Spring Semester.
Students learn the principles of the National Center for Construction, Education, and Research (NCCER) core and master safety skills. By the end of the first year, students should have their NCCER core curricula certification.

WELDING I (Craft Training Center)
Two Credits;
Grades: 10-12;
Recommended Prerequisite: Algebra or Geometry, Principles of Construction and Introduction to Welding
One Year Program
This course is a continuation of the Welding curriculum that offers a more in-depth development of oxy-acetylene and electric welding of plate and pipe. Students will have the opportunity to continue to develop skills and understanding of related and technical information associated with welding so that they can qualify to pass entry-level certification tests required by industry.

ELECTRICAL (Craft Training Center)
Two Credits; Recommended Grade Levels: 10-12; Recommended Prerequisite: Algebra or Geometry, Principles of Construction and Introduction to Welding
One Year Program
This course prepares individuals to work as an electrician. Students will study the following electrical components: Safety, Circuits, Theory, National Electrical Code, Device Boxes, Conduit Bending, Raceways & Fittings, Conductors & Cables, Electrical Drawings, Residential Services, and Test Equipment which includes voltage testers, clamp-on meters, ohmmeters, multi-meters, and other data recording equipment. Upon completion of this program students will be able to perform work which utilizes electrical concepts in a residential or commercial setting. The program is taught under the guidelines of the National Center for Construction Education and Research (NCCER
There are 4 levels of instruction in the electrical field, up to two levels may be taken at the high school level and then the last two courses are only offered as part of the ABC Electrical Apprenticeship Program

PIPEFITTING (Craft Training Center)
Two Credits; Recommended Grade Levels: 10-12; Recommended Prerequisite: Algebra or Geometry, Principles of Construction and Introduction to Welding
One Year Program
Students gain knowledge and skills needed to enter industry as a pipefitter, technician, or supervisor, or prepare for a post-secondary degree in construction management, architecture, or engineering.

INSTRUMENT FITTER (Craft Training Center)
Two Credits; Recommended Grade Levels: 10-12; Recommended Prerequisite: Algebra or Geometry, Principles of Construction and Introduction to Welding
One Year Program
This course prepares individuals for jobs as an entry-level instrument fitter in the industrial, construction, and maintenance industry. Graduates may find suitable employment with electrical and instrumentation contractors in the industrial, construction, and maintenance industry. Students will train to lay out, fabricate, install, and perform leak testing on tubing and piping systems; install instruments and instrument stands; and, interpret instrument construction drawings, specifications, and other resource documents. Upon completion of this program, the student will be able to exhibit basic mechanical and mathematical skills to demonstrate good safety practices, especially electrical safety.

Students completing the required coursework will receive a Certificate of Completion from the Craft Training Center of the Coastal Bend. This is a prerequisite program for Instrument Technician.

Construction & Plumbing

PRINCIPLES OF CONSTRUCTION (FBHS)
One Credit; Recommended Grade Levels: 9-12
Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. Safety and liability considerations are stressed. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment. Students will earn their Occupational Safety and Health Administration (OSHA) 10 certification by the end of the course. OSHA 10 is a 10-hour course that covers specific OSHA regulations and requirements as they apply to the Construction Industry.

CONSTRUCTION TECHNOLOGY I
Two Credits;
Grades: 10-12;
Prerequisite: Principles of Construction
In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors 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. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CONSTRUCTION TECHNOLOGY II
Two Credits;
Grades: 11-12;
Prerequisite: Construction Technology I
In Construction Technology II, students will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians, or supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

PLUMBING TECHNOLOGY I
Two Credits; Recommended Grade Levels: 10-12;
Prerequisite: Principles of Construction
In Plumbing Technology I, students will gain knowledge and skills needed to enter the industry as a plumbing apprentice, building maintenance technician, or supervisor or prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in industry workplace basics and employer/customer expectations, including how to use a plumbing code book; how to identify and use power and hand tools; how to be safe on the jobsite and when using hand and power tools; how to apply basic plumbing mathematics and plumbing drawing; and how to identify, fit, and use plastic, copper, cast iron, carbon steel, and corrugated stainless-steel pipe. In addition, students will be introduced to gas, drainage, and water supply systems and continue their knowledge of workplace basics and green technologies. Students are encouraged to participate in extended learning experiences such as career and technical student organizations.

Education

PRINCIPLES OF EDUCATION & TRAINING
One Credit;
Grades: 8-11
(This should be taken as the first teaching course.)
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 and educational and career information to analyze various careers within the education and training career cluster. Students will also gain an understanding of the basic knowledge and skills essential to careers within the education and training career cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

HUMAN GROWTH AND DEVELOPMENT
One Credit;
Grades: 9-12;
Prerequisite: Principles of Education and Training
(Second level education course)
Human Growth and Development is an examination of human development across the lifespan (from pre-natal to the elderly) with emphasis on research, theoretical perspectives, and common physical,

cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

INSTRUCTIONAL PRACTICES
Two Credits and 2 class periods;
Grades: 10-12;
(Third level education course)
This is a field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping and complete other responsibilities of teachers, trainers, paraprofessionals or other educational personnel.

PRACTICUM IN EDUCATION & TRAINING
2 Credits and 2 class periods;
Grades: 11-12;
(Fourth education course)
This is a field-based internship that provides students background knowledge of child and adolescent development principles, as well as principles of effective teaching and training practices. Emphasis will be on the learner and learning process, assessing instruction and learning, and continued development as a teaching or training professional. After graduation, and after the student has turned 18, they will be eligible for the Teacher Orientation and Preparation Program (TOPP), which is a State Board of Educator Certification approved alternative route to teacher certification.

CHILD DEVELOPMENT
One Credit;
Grades: 10-12;
Prerequisite: Principles of Human Services
(Preparation for Parenting Embedded) This technical laboratory course is designed to focus on skills needed to guide the physical, intellectual, emotional and social development of children. Emphasis is given to the development of competencies related to the study of children, pregnancy and prenatal development, birth and the newborn, types and stages of growth and development, rights and responsibilities of parents and children, needs of children, factors influencing the behavior of children, selection of child-care services, health and safety of children with special needs, coping with crises, the effects of technology on child development and careers related to the area of child development.

CHILD GUIDANCE
Two Credits;
Grades: 10-12;
Prerequisite: Child Development
This course addresses the knowledge and skills related to child growth and guidance, equipping students to develop positive relationships with children and teaching effective caregiver skills. Students use these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance and education of children, including those with special needs. Emphasis will be on roles and responsibilities of care givers, childcare options, the effect of play in the development of children and appropriate guidance techniques for children of various ages and development levels.

Health Sciences

PRINCIPLES OF HEALTH SCIENCE
One Credit;
Grades: 9-11;
May be taken concurrently with Medical Terminology.
(First health science course.)
This course develops skills related to the health care industry such as patient relationships, working environment, and ethical and legal responsibilities.

MEDICAL TERMINOLOGY
One Credit; One Semester
Grades: 10-12;
May be taken concurrently with Principles of Health Science
(Second health science course.)
A continuing education course designed to develop a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots, and abbreviations. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care.

HEALTH SCIENCE THEORY
One Credit;
Grades: 10-12;
Prerequisite: Principles of Health Science. Medical Terminology may be taken concurrently.
(Third health science course)
The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a variety of health careers.

Students will employ hands-on experiences for continued knowledge and skill development.
To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others. Students should identify the employment opportunities, technology, and safety requirements of each system. Students are expected to apply the knowledge and skills necessary to pursue a health science career through further education and employment. Students are expected to employ their ethical and legal responsibilities, recognize limitations, and understand the implications of their actions. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

PRACTICUM IN HEALTH SCIENCE I
2 Credits *(Grade Weighted)*;
Grades: 11-12;
Prerequisite: Health Science Theory
(Fourth health science course.)
The Health Science Technology courses are designed to teach students about skills necessary to pursue a career in the health care field, spanning various roles--nurses, physicians, medical technologists, veterinarians, pharmacy technician, nursing assistants, etc. Students learn in a laboratory situation and carry their skills into the medical field through a work-based program. Students may earn EKG and Phlebotomy certifications through this coursework. Practicum in Health Science is grade weighted due to rigorous and independent study requirements. TB test is mandatory. Students will need to purchase two sets of medical scrubs. Students will be required to pass a drug screening to participate.

PRACTICUM IN HEALTH SCIENCE II
3 Credits (Grade Weighted);
Grades: 11-12;
Prerequisite: Practicum in Health Science I
(Fourth health science course)
Students continue to learn in a laboratory situation and carry their skills into the medical field through a work-based program. Students will earn two of the following certifications through this coursework: Certified Nursing Assistant, Certified Medical Assistant, and/or Patient Care Technician. This course is grade weighted due to rigorous and independent study requirements. TB test is mandatory. Students will need to purchase two sets of medical scrubs. Students will be required to pass a drug screening to participate.
1. Certified Nursing Assistant students learn to provide basic direct patient care to assist with daily living activities of individuals with health needs. CNAs must be knowledgeable in taking vital signs, educating patients on health concerns, assisting with range-of-motion exercises and offering emotional and physical support. This certification is the first step toward a career in the health field. Includes hands-on practice at local facilities. Students must be 18 years old before Spring Break to take CNA.
2. Certified Medical Assistant students will gain knowledge in both clinical and administrative areas for working in an ambulatory care setting.
3. Patient Care Technician students receive training, skills, and knowledge needed to gain employment in a hospital/acute setting to assist patients/residents with activities of daily living; measuring vital signs; and, communicating effectively with patients, family members, and staff.

EMERGENCY MEDICAL TECHNICIAN – BASIC (DUAL CREDIT PRACTICUM IN HEALTH SCIENCE)
One Credit *(Grade Weighted)*
Grade: 12;
Spring Semester;
Course is held at Del Mar College West Campus. Preparation for certification as an Emergency Medical Technician (EMT) Basic. Students must complete all college registration requirements.
The Texas Department of State Health Services may not allow persons to test to receive certification or licensure if they have been convicted of certain crimes above the level of a Class "C" misdemeanor. Driving While Intoxicated (DWI) or Driving Under the Influence (DUI) arrests or convictions may preclude the candidate from certification, no matter the level of arrest or conviction. Students who have convictions of this nature should contact the program director prior to enrollment. **Students will be required to pass a drug screening to participate. Students are expected to pay all required fees and/or tuition. Students must purchase uniforms and equipment and meet JCAHO requirements**. (see EMS section in Del Mar College catalog) **Upon successful completion of EMT and Dual Credit Anatomy and Physiology, students will receive certification through Del Mar.**
EMSP 1501 Emergency Medical Technician – Basic, EMSP 1160 Clinical (R3, E3, M2)

MEDICAL TERMINOLOGY (DUAL CREDIT) - One Credit – semester course *(Grade Weighted)*
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
HPRS 1106 Essentials of Medical Terminology (R1, E1, M1)

Cosmetology

INTRODUCTION TO COSMETOLOGY (DUAL CREDIT)
One Credit – Fall semester course;
Grade: 10-11; *(Grade Weighted)*;
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition. Student must pay for uniform, state license fee, and miscellaneous personal supplies.**
CSME 1405 Fundamentals of Cosmetology (R1, E1, M1)

PRINCIPLES OF COSMETOLOGY: DESIGN & COLOR THEORY (DUAL CREDIT)
One Credit – Spring semester course;
Grade: 10-11; *(Grade Weighted)*;
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition. Student must pay for uniform, state license fee, and miscellaneous personal supplies.**
CSME 1443 Manicuring and Related Theory (R1, E1, M1)

COSMETOLOGY I (DUAL CREDIT)
Two Credits *(Grade Weighted)*;
Prerequisite: Introduction to Cosmetology and Principles of Cosmetology; Good comprehension skills are necessary for cosmetology courses.
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition. Student must pay for uniform, state license fee, and miscellaneous personal supplies.**
Fall - CSME 1310 Introduction to Haircutting and Related Theory
Spring - CSME 1244 Introduction to Salon Development & CSME 1248 Principles of Skin Care (R1, E1, M1)

COSMETOLOGY II (DUAL CREDIT)
Two Credits*(Grade Weighted)*;
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition. Student must pay for uniform, state license fee, and miscellaneous personal supplies.**
Summer - CSME 1354 Artistry of Hair Design 1, CSME 1453 Chemical Reformation and Related Theory & CSME 2401 Principles of Hair Color (R1, E1, M1)
COSMETOLOGY III (DUAL CREDIT)
Two Credits *(Grade Weighted)*;
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition. Student must pay for uniform, state license fee, and miscellaneous personal supplies.**
Fall – CSME 2439 Advanced Hair Design & CSME 2337 Advanced Cosmetology Techniques
Spring –CSME 2441 Preparation for State Exam & 2310 Advanced Hair Cutting and Theory (R1, E1, M1)

Firefighter

FIREFIGHER I (DUAL CREDIT)
Two Credits
Grades: 11-12;
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition. Good physical condition, clean criminal history, and a medical physical are required prior to admittance to the program. Student must pay for uniform and rental of firefighting equipment.**
Fall - FIRS 1301 Firefighter Certification I and FIRS 1407 Firefighter Certification II
Spring - FIRS 1313 Firefighter Certification III and FIRS 1319 Firefighter Certification IV (R3, E2, M1)

FIREFIGHTER II (DUAL CREDIT)
Three Credits
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition. Good physical condition, clean criminal history, and a medical physical are required prior to admittance to the program. Student must pay for uniform and rental of firefighting equipment.**
Fall - FIRS 1323 Firefighter Certification V and FIRS 1329 Firefighter Certification VI
Spring - FIRS 1433 Firefighter Certification VII and FIRS 1103 Firefighter Agility/Fitness Preparation (R3, E2, M1)
To complete the Basic Firefighter Certificate students must also complete EMSP 1501 Emergency Medical Technician-Basic, EMSP 2160 Clinical (R3, E3, M2) and HPRS 1106 Essentials of Medical Terminology (R1, E1, M1) after high school graduation. To be hired as a firefighter, a clean criminal background check is required.

Legal System

PRINCIPLES OF LAW AND PUBLIC SAFETY (DUAL CREDIT)
One Credit *(Grade Weighted)*;
Grades: 10-12
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
CRIJ 1301 Intro to Criminal Justice (R3, E3, M1)

COURT SYSTEMS AND PRACTICES (DUAL CREDIT)
One Credit *(Grade Weighted)*;
Grade Levels: 10-12
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
CRIJ 1306 (R3, E3, M1)

LAW ENFORCEMENT I (DUAL CREDIT)
One Credit *(Grade Weighted)*;
Grades: 10-12
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
CRIJ 1310 Fund. of Criminal Law (R3, E3, M1)
CRIJ 1313 Juvenile Justice System (R3, E3, M1)

LAW ENFORCEMENT II (DUAL CREDIT)
One Credit *(Grade Weighted)*;
Grades: 10-12
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
CRIJ 2314 Criminal Investigation (R3, E3, M1)

PRACTICUM IN LAW, PUBLIC SAFETY AND CORRECTIONS I (DUAL CREDIT)
One Credit *(Grade Weighted)*;
Grades: 10-12
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
CRIJ 2323 Legal Aspects of Law Enforcement (R3, E3, M1)
CRIJ 2328 Police Systems and Practices (R3, E3, M1)

PRACTICUM IN LAW, PUBLIC SAFETY AND CORRECTIONS II (DUAL CREDIT)
One Credit *(Grade Weighted)*;
Grades: 11-12 CAPSTONE
Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**
CRIJ 2313 Correctional Systems and Practices (Capstone) (R3, E3, M1)

Engineering

PRINCIPLES OF APPLIED ENGINEERING
One Credit;
Grades: 9-12
This course emphasizes the development of a design. Students use computer software to produce, analyze and evaluate models of project solutions. They study the design concepts of form and function, then use state of the art technology to translate conceptual design into reproducible products. This course teaches students to:
* Understand and apply the design process to solve various problems in a team setting;
* Apply adaptive design concepts in developing sketches, features, parts and assemblies.

ENGINEERING SCIENCE
One Credit;
Grades: 10-12;
Prerequisite: Principles of Applied Engineering
This course provides an overview of engineering technology. Students develop problem-solving skills by tackling real-world engineering problems. Through theory and practical hands-on experiences, students address the emerging social and political consequences of technological change. The course of study includes: Overview and Perspective of Engineering; Design Process; Communication and Documentation; Engineering Systems; Statics; Materials and Materials Testing; Thermodynamics; Engineering Quality and Reliability, including model design, mass property calculations in evaluating a parametric model, cost analysis, product marketing, career exploration and portfolio presentation; and Dynamics.

RESOURCES FOR HIGH SCHOOL AND BEYOND

TESTING

www.tea.texas.gov/student.assessment/ - Texas Education Agency – STAAR EOC information
www.collegeboard.org - SAT® & PSAT® – college entrance exam
www.act.org - ACT® – college entrance exam
https://accuplacer.collegeboard.org - TSIA test information
www.khanacademy.org/test-prep/sat - SAT test prep videos and lessons written in conjunction with College Board, makers of the SAT exam
www.cctexas.com/library - online Practice Tests for ACT®, SAT®, GED, MCAT, ASVAB, civil service, EMS, Firefighter, Law Enforcement, Postal Services and others
www.kaplan.com - college entrance exam preparation, including PSAT®
www.testprepreview.com - ACT® & SAT® practice tests
www.March2Success.com – math, English, and test taking skills, college entrance exam prep

COLLEGE INFORMATION

www.collegeforalltexans.com - all-inclusive website for college-bound Texans
https://goapplytexas.org - Texas common application for 4 yr. public universities in Texas
www.athleticscholarships.net/ncaa/eligibility - (NCAA) college athletes must register after 11th grade year
www.bigfuture.collegeboard.org - search and compare colleges, careers and majors
www.collegenet.com - search college by region, athletics, major, tuition, etc.
https://collegestats.org - college search website, including Christian colleges
www.commonapp.org - college application for out-of-state and some private schools
www.careercruising.com – search colleges and careers
www.highered.texas.gov - 60X30TX Texas Higher Education Coordinating Board

CAREERS

www.bls.gov/ooh - Occupational Outlook Handbook – search careers, including needed education or training, estimated earnings, job prospects, and working conditions
www.roadtripnation.com/edu/careerfinder - career planning, including colleges, majors, resumes
www.texashotjobs.org - Health Science career exploration
www.twc.state.tx.us - Texas Workforce Commission – career development
www.ctccb.org - Craft Training Center of the Coastal Bend – career apprenticeships

OTHER RESOURCES

www.loc.gov - Library of Congress
www.texas.gov/ - State of Texas
https://comptroller.texas.gov/programs/education/ - Compendium of Texas colleges and financial aid calendar for high school seniors
www.twc.texas.gov/partners/programs-people-disabilities- Texas Workforce Commission
https://sites.google.com/flourbluffschools.org/counselorscorner - Flour Bluff High School Counselors' webpage, including college, career, scholarship, testing, transcript request, and other information

FINANCIAL AID

https://studentaid.gov/h/apply-for-aid/fafsa - Free Application for Federal Student Aid
www.ed.gov - U.S. Dept. of Education
www.highered.texas.gov/institutional-resources-programs/student-financial-aid-programs/ - grant information
www.fastweb.com - scholarships, jobs, internships, college information
www.scholarships.com – scholarship and college information
www.cbcfoundation.org - Coastal Bend Community Foundation scholarship application
www2.ed.gov/finaid/landing.jhtml - government grants, loans, student aid
www.finaid.org - financial aid, including military aid
www.salliemae.com - leading provider of student loans
www.irs.gov - Hope Scholarship & Lifetime Learning Credit information, tax incentives for higher education
www.delmar.edu/foundation/scholarships - Del Mar College scholarships and grants

www.collegeforalltexans.com

This website contains everything Texans need to know about preparing, applying, and paying for college or technical school. Links include:

- o Career Planning
- o Military in Texas
- o FAFSA (Free Application for Federal Student Aid)
- o TEXAS Grant
- o Residency Information
- o Adult Education
- o Forms and Applications

If you do not have access to a computer at home, you may use the computers in the **GO Center**, located within the Counselors' Office.

RESOURCES FOR HIGH SCHOOL AND BEYOND

PUBLIC NOTICES

IT IS THE POLICY OF FLOUR BLUFF INDEPENDENT SCHOOL DISTRICT 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 AMENDMENT OF 1972; THE AGE DISCRIMINATION ACT OF 1975, AS AMENDED, AND SECTION 504 OF THE REHABILITATION ACT OF 1973, AS AMENDED.

IT IS THE POLICY OF FLOUR BLUFF INDEPENDENT SCHOOL DISTRICT NOT TO DISCRIMINATE ON THE BASIS OF RACE, COLOR, NATIONAL ORIGIN, SEX OR HANDICAP IN ITS VOCATIONAL PROGRAMS, SERVICES, OR ACTIVITIES AS REQUIRED BY TITLE VI OF THE CIVIL RIGHTS ACT OF 1964, AS AMENDED; TITLE IX OF THE EDUCATION AMENDMENTS OF 1972; AND SECTION 504 OF THE REHABILITATION ACT OF 1973, AS AMENDED.

FLOUR BLUFF INDEPENDENT SCHOOL DISTRICT WILL TAKE STEPS TO ASSURE THAT LIMITED ENGLISH LANGUAGE SKILLS WILL NOT BE A BARRIER TO ADMISSION AND PARTICIPATION IN ALL EDUCATIONAL AND CAREER AND TECHNOLOGY EDUCATION PROGRAMS.

FOR INFORMATION ABOUT YOUR RIGHTS OR GRIEVANCE PROCEDURES, CONTACT THE TITLE IX COORDINATOR, CONTACT, JAMES CRENSHAW, AT 2505 WALDRON ROAD, 694-9203; OR THE SECTION 504, ESL, AND CAREER AND TECHNICAL EDUCATION COORDINATOR, DR. LINDA BARGANSKI, AT 2505 WALDRON ROAD, 694-9230.

SHOULD YOU NEED TRANSLATED INFORMATION, LARGE PRINT, EXPLANATION OR OTHER FORMS OF ASSISTANCE, PLEASE CALL MOLLY PARKER at 694-9198.

SI USTED NECESITA INFORMATION TRADUCIDA, UNA EXPLICACION, LETRA GRANDE O CUALQUIER OTRA FORMA DE AYUDA, LLAME MOLLY PARKER at 694-9198.