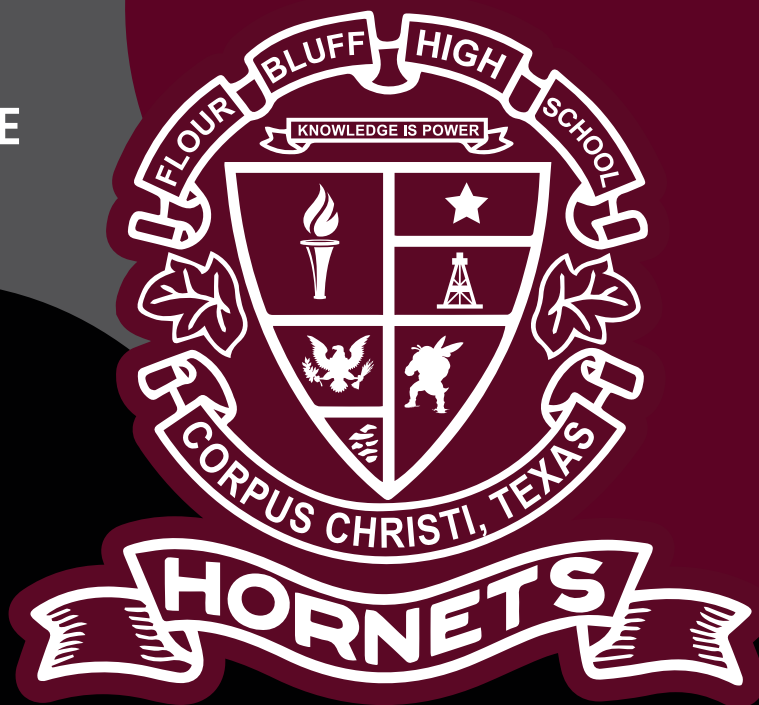


Together We Can...
INSPIRE.FOSTER.EMPOWER.

2023
2024

GRADUATION & CAREER

THE OFFICIAL
GRADUATION GUIDE



PLANNING GUIDE

FLOUR BLUFF HIGH SCHOOL

HS.FLOURBLUFFSCHOOLS.NET

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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.

FLOUR BLUFF INDEPENDENT SCHOOL DISTRICT

Board of Trustees

Shirley Thornton, President
Jerry Hooper, Jr., Vice-President
Jennifer Welp, Secretary
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Michael Morgan
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Jeanie Blankenship Paluseo

FBISD Administration

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Ludivina Cansino, Chief Financial, Business & Operations Officer
Dr. Linda Barganski, Associate Superintendent for Federal & State Programs
Nicole White, Executive Director of Curriculum and Instruction
Kristen Bily, Executive Director of Communications & Community Relations
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Staci Cade, District Testing Coordinator
Dr. Melonie Shandy, Director of Special Education

FBHS Administration

Linda Medley, High School Principal
Molly Parker, High School Testing Coordinator
Tamara Blair, Dean of Instruction
Amy Seeds, Assistant Principal, A-Go
Christopher Hess, Assistant Principal, Gr-Pa
Meagan Coronado, Assistant Principal Pe-Z
Darryl Smith, Assistant Principal, Attendance
Pam Pailes, Director of Fine Arts, Intervention Specialist A-L
Norma Fisher, Intervention Specialist M-Z
Cindy Holder, Director of Student Development and Guidance Center
& Hornet Learning Academy

FBHS Counselors

Melinda Montez, School Counselor A-Dr
Lindsey Bowers, School Counselor Du-Ho
Daphne Granato, School Counselor, Hu-M
Carrie Flores, School Counselor N-Sil
Lauren Smith, School Counselor Sim-Z
Alyssa Cano, LPC

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

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 nacional, sexo o impedimento, en sus programas, servicios o actividades 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.

Flour Bluff High School Graduation Requirements

SUBJECT AND STAAR ASSESSMENT	FOUNDATION WITH ENDORSEMENT	DISTINGUISHED LEVEL OF ACHIEVEMENT
ENGLISH <i>English 1 EOC</i> <i>English 2 EOC</i>	4 Credits English 1 English 2 English 3 English 4 or Advanced English	4 Credits English 1 English 2 English 3 English 4 or Advanced English
MATHEMATICS <i>Algebra 1 EOC</i>	4 Credits Algebra 1 Geometry 2 Advanced Math Courses (Algebra 2 Highly Recommended – Many colleges require it) <i>*3 Math Credits MUST be earned at the HS</i>	4 Credits Algebra 1 Geometry Algebra 2 1 Advanced Math Course <i>*3 Math Credits MUST be earned at the HS</i>
SCIENCE <i>Biology EOC</i>	4 Credits Biology IPC, Chemistry or Physics 2 Additional Science Courses	4 Credits Biology IPC, Chemistry or Physics 2 Additional Science Courses
SOCIAL STUDIES <i>US History EOC</i>	4 Credits World Geography World History US History U.S. Government / Economics	4 Credits World Geography World History US History U.S. Government / Economics
PHYSICAL EDUCATION	1 Credit PE or Substitute (Athletics, Athletic Trainer, Marching Band, Cheer, Dance, Drill Team, NJROTC) <i>*Grades are Pass/Fail Only</i>	1 Credit PE or Substitute (Athletics, Athletic Trainer, Marching Band, Cheer, Dance, Drill Team, NJROTC) <i>*Grades are Pass/Fail Only</i>
FINE ARTS	1 Credit	1 Credit
LANGUAGES OTHER THAN ENGLISH	2 Credits Two Levels of Same Language <i>*Computer Science can meet this requirement, but some college will not accept.</i>	2 Credits Two Levels of Same Language <i>*Computer Science can meet this requirement, but some college will not accept.</i>
TECHNOLOGY	1 Credit	1 Credit
SPEECH	0.5 Credit	0.5 Credit
ELECTIVES	4.5 Credits Endorsement Electives MAPS = Required Freshmen course	4.5 Credits Endorsement Electives MAPS = Required Freshmen course
ADDITIONAL REQUIREMENTS FOR GRADUATION	<ul style="list-style-type: none"> • Completion of Endorsement • FAFSA or Opt-Out Form • CPR Training • Peace Officer Interaction Training 	<ul style="list-style-type: none"> • Completion of Endorsement • FAFSA or Opt-Out Form • CPR Training • Peace Officer Interaction Training
TOTAL	26 Credits	26 Credits

Additional STAAR EOC Information can be found on the FBISD STAAR Webpage: <https://flourbluffschoools.net/staar/>

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. 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 HIGH SCHOOL ENDORSEMENTS AND PATHWAYS

STEM	Public Service	Business & Industry	Arts & Humanities	Multi-Disciplinary
<i>Pathways</i>	<i>Pathways</i>	<i>Pathways</i>	<i>Pathways</i>	<i>Pathways</i>
Math – p.42 Programming & Software Dev. – p .48 Science – p.50	Healthcare Diagnostics – p.34 <i>Health Science</i> NJROTC – p.44 Teaching & Training – p.54 <u>DEL MAR ONLINE</u> Law Enforcement p.40 <u>TAUGHT @ DEL MAR</u> Emergency Services <i>EMT or Firefighter</i> p.30	Aviation – p.16 Construction – p.20 Digital Communications <i>A/V Tech - p.26</i> Hospitality & Tourism – p.56 Journalism – p.38 <i>Yearbook, Newspaper</i> <u>DEL MAR ONLINE</u> Accounting & Financial Services p.10 Architectural Design p.12 Business Management p.18 <u>TAUGHT @ DEL MAR</u> Automotive – p.14 Cosmetology – p.22 Culinary Arts – p.24 <u>TAUGHT @ CRAFT TRAINING CENTER</u> Electrical – p.28 Plumbing/Pipefitting p.46 Welding – p.58	Fine Arts p.32 Social Studies p.52	Four by Four p.8 AP / Dual Credit <i>(4 credits in Dual Credit and/or AP)</i> Dual Credit Academy – p.36 <i>@ Del Mar/ TAMUCC</i>

Some students will graduate on the foundation plan without an endorsement under special circumstances pending committee meeting approval.

Multidisciplinary Endorsement

Four by Four Pathway

Four credits in each foundation subject area, including chemistry and/or physics and English IV or a comparable AP English course.



Secondary Courses for High School Credit

Level 1

- English
- Math
- Science
- SocialStudies

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)

- | | |
|--|--|
| <input type="checkbox"/> Algebra 1
<input type="checkbox"/> Geometry
<input type="checkbox"/> Spanish 1
<input type="checkbox"/> Spanish 2
<input type="checkbox"/> Speech | <input type="checkbox"/> Health
<input type="checkbox"/> Business Information Systems Management
<input type="checkbox"/> Art 1
<input type="checkbox"/> Theatre Arts 1
<input type="checkbox"/> Other _____ |
|--|--|

Freshman Year

- | | | |
|---|---|--|
| <input type="checkbox"/> English 1
<input type="checkbox"/> World Geography/ MAPS
<input type="checkbox"/> Biology
<input type="checkbox"/> Math _____
<input type="checkbox"/> 1 st Year Foreign Language
<input type="checkbox"/> Technology Application
<input type="checkbox"/> PE | <input type="checkbox"/> Advanced English 1
<input type="checkbox"/> Advanced World Geography/MAPS
<input type="checkbox"/> Advanced Biology
<input type="checkbox"/> _____
<input type="checkbox"/> 2 nd Year Foreign Language
<input type="checkbox"/> Fine Art
<input type="checkbox"/> Athletics | <input type="checkbox"/> Elective _____
<input type="checkbox"/> Elective _____
<input type="checkbox"/> Marching Band |
| <input type="checkbox"/> NJROTC | | |

Sophomore Year

- | | | |
|---|--|--|
| <input type="checkbox"/> English 2
<input type="checkbox"/> World History
<input type="checkbox"/> Lab Science
<input type="checkbox"/> Math (at the next level)
<input type="checkbox"/> 2 nd Year Foreign Language
<input type="checkbox"/> Professional Communications/elective
<input type="checkbox"/> Elective _____ | <input type="checkbox"/> Advanced English 2
<input type="checkbox"/> Advanced World History
<input type="checkbox"/> Advanced Lab Science
<input type="checkbox"/> Advanced Math (at the next level)
<input type="checkbox"/> Elective _____
<input type="checkbox"/> _____ | <input type="checkbox"/> Elective _____
<input type="checkbox"/> Elective _____ |
|---|--|--|

Junior Year

- | | | |
|---|--|--|
| <input type="checkbox"/> English 3
<input type="checkbox"/> US History
<input type="checkbox"/> 3 rd Science
<input type="checkbox"/> Math
<input type="checkbox"/> Elective _____
<input type="checkbox"/> Elective _____
<input type="checkbox"/> Elective _____ | <input type="checkbox"/> AP English 3
<input type="checkbox"/> AP US History
<input type="checkbox"/> Advanced 3 rd Science
<input type="checkbox"/> Advanced Math
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____ | <input type="checkbox"/> DC English 3
<input type="checkbox"/> DC US History
<input type="checkbox"/> _____
<input type="checkbox"/> DC College Algebra |
|---|--|--|

Senior Year

- | | | |
|---|--|--|
| <input type="checkbox"/> English 4
<input type="checkbox"/> Government/Economics
<input type="checkbox"/> 4 th Science
<input type="checkbox"/> Math
<input type="checkbox"/> Elective _____
<input type="checkbox"/> Elective _____
<input type="checkbox"/> Elective _____ | <input type="checkbox"/> AP English 4
<input type="checkbox"/> AP Govt/Economics
<input type="checkbox"/> Advanced 4 th Science
<input type="checkbox"/> Advanced Math
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____ | <input type="checkbox"/> DC English 4
<input type="checkbox"/> DC Govt/DC Econ
<input type="checkbox"/> DC Science
<input type="checkbox"/> DC Math |
|---|--|--|

Business, Marketing, and Finance Career Cluster

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

Accounting and Financial Services Statewide Program of Study



The Accounting and Financial Services program of study teaches CTE learners 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.

Secondary Courses for High School Credit

Level 1

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

Level 2

- Accounting I
- Banking and Financial Services
- Financial Mathematics

Level 3

- Accounting II
- Financial Analysis
- Insurance Operations

Level 4

- Securities and Investments
- Practicum in Business Management
- Practicum in Entrepreneurship
- Career Preparation I

Postsecondary Opportunities

Associates Degrees

- Real Estate
- Financial, General
- Financial Planning and Services
- Certified Income Specialist

Bachelor's Degrees

- Accounting
- Financial, General
- Financial Planning and Services
- Certified Income Specialist

Master's, Doctoral, and Professional Degrees

- Financial Accounting
- Business Administration
- Financial Planning

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in Business Professionals of America, Future Business Leaders of America, or DECA

Work-Based Learning Activities

- Intern with a local accounting firm
- Earn Microsoft Office certifications

Industry-Based Certifications

- Accounting - Basic
- Accounting Foundations
- Intuit QuickBooks Certified User
- MB-920: Microsoft Dynamics 365 Fundamentals Finance and Operations Apps
- Microsoft Office Specialist: Microsoft Access Expert (Access and Access 2019) Microsoft Office Specialist: Microsoft Excel Expert (Excel and Excel 2019)
- Volunteer Income Tax Assistance/Tax Counseling Certification: Advanced
- Volunteer Income Tax Assistance/Tax Counseling Certification: Basic
- Volunteer Income Tax Assistance/Tax Counseling Certification: Volunteer for Elderly

- Microsoft Office Specialist Excel*

*IBC sunsetting 8/31/24

Aligned Occupations

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%

Successful completion of the Accounting and Financial Services program of study will fulfill requirements of the Business and Industry endorsement Revised – August 2022



Accounting and Financial Services Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | | |
|--|--|---|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 | |
| <input type="checkbox"/> World Geography/MAPS | <input type="checkbox"/> Advanced World Geography/MAPS | |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology | |
| <input type="checkbox"/> Math _____ | | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Technology Application | <input type="checkbox"/> Fine Art course | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> PE | <input type="checkbox"/> NJROTC | <input type="checkbox"/> Athletics |
| | | <input type="checkbox"/> Marching Band |

Sophomore Year

- | | | |
|--|--|---|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 | |
| <input type="checkbox"/> World History | <input type="checkbox"/> Advanced World History | |
| <input type="checkbox"/> Lab Science | <input type="checkbox"/> Advanced Lab Science | |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) | |
| <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ | |
| <input type="checkbox"/> Principles of Business, Marketing and Finance | | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Professional Communication/other elective | | |

Junior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> AP US History | <input type="checkbox"/> DC US History |
| <input type="checkbox"/> 3 rd Science | <input type="checkbox"/> Advanced 3 rd Science | |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> DC Accounting I | | |

Senior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Govt/Economics | <input type="checkbox"/> DC Govt/DC Economics |
| <input type="checkbox"/> 4 th Science | <input type="checkbox"/> Advanced 4 th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> Financial Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> DC Accounting II or Practicum in Entrepreneurship (2 pds) | | |

Architecture and Construction Career Cluster

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

Architectural Design Statewide Program of Study



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.

Secondary Courses for High School Credit

Level 1

- Principles of Architecture- Del Mar

Level 2

- Architectural Design II- Del Mar
- Computer Aided Drafting for Architecture- Del Mar

Level 3

- Architectural Design III- Del Mar

Level 4

- Practicum in Architectural Design- Del Mar

Postsecondary Opportunities

Associates Degrees

- Architecture
- Interior Design
- Civil Engineering General
- Geographic Information Science and Cartography

Bachelor's Degrees

- Architecture
- Interior Design
- Civil Engineering General
- Geographic Information Science and Cartography

Master's, Doctoral, and Professional Degrees

- Architecture
- Interior Architecture
- Civil Engineering General
- Geographic Information Science and Cartography

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Shadow an architect, interior designer or civil engineer
- Participate in SkillsUSA

Work-Based Learning Activities

- Intern at an architectural firm

Industry-Based Certifications

- Autodesk Associate (Certified User) 3ds MAX
- Autodesk Associate (Certified User) AutoCAD
- Autodesk Associate (Certified User) Fusion 360
- Autodesk Associate (Certified User) Revit Architecture
- Autodesk Associate (Certified User) Revit for Electrical
- Autodesk Associate (Certified User) Revit for Structural Design
- Autodesk Certified Professional Fusion 360
- Autodesk Certified Professional in AutoCAD for Design and Drafting
- Autodesk Certified Professional in Civil 3D for Infrastructure Design
- Autodesk Certified Professional in Revit for Architectural Design
- Autodesk Certified Professional in Revit for Electrical Design
- Autodesk Certified Professional in Revit for Structural Design
- LEED Green Associate

- Certified SOLIDWORKS Associate*
- Mastercam Associate Certification*

*IBC sunset 8/31/21

Aligned Occupations

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%
Construction Managers	\$87,402	2,401	14%

Successful completion of the Architectural Design program of study will fulfill requirements of the Business and Industry endorsement or STEM endorsement if the math and science requirements are met.



Architectural Design Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | | |
|--|--|---|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 | |
| <input type="checkbox"/> World Geography/MAPS | <input type="checkbox"/> Advanced World Geography/MAPS | |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology | |
| <input type="checkbox"/> Math _____ | | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Technology Application | <input type="checkbox"/> Fine Art course | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> PE | <input type="checkbox"/> NJROTC | <input type="checkbox"/> Athletics |
| | | <input type="checkbox"/> Marching Band |

Sophomore Year

- | | | |
|--|--|---|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 | |
| <input type="checkbox"/> World History | <input type="checkbox"/> Advanced World History | |
| <input type="checkbox"/> Lab Science | <input type="checkbox"/> Advanced Lab Science | |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) | |
| <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ | |
| <input type="checkbox"/> DC Principles of Architecture | | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Professional Communication/other elective | | <input type="checkbox"/> Elective _____ |

Junior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> AP US History | <input type="checkbox"/> DC US History |
| <input type="checkbox"/> 3 rd Science | <input type="checkbox"/> Advanced 3 rd Science | |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> DC Architectural Design I/ DC Architectural Design II | | |

Senior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Govt/Economics | <input type="checkbox"/> DC Govt/DC Economics |
| <input type="checkbox"/> 4 th Science | <input type="checkbox"/> Advanced 4 th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> DC Practicum in Arch Design | | <input type="checkbox"/> Elective _____ |

Transportation, Distribution, and Logistics Career Cluster

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.

Automotive Statewide Program of Study



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

Secondary Courses for High School Credit

Level 1

- Principles of Transportation Systems
- Small Engine Technology I
- Basic Collision Repair and Refinishing

Level 2

- Automotive Basics
- Introduction to Transportation Technology
- Small Engine Technology II
- Collision Repair/Lab
- Occupational Safety and Environmental Technology I

Level 3

- Automotive Technology I
- Energy and Power of Transportation Systems
- Paint and Refinishing/Lab

Level 4

- Automotive Technology II/Lab
- Practicum in Transportation Systems

Postsecondary Opportunities

Associates Degrees

- Autobody/ Collision and Repair Technology/ Technician
- Medium/Heavy Vehicle and Truck Technology/ Technician
- Mechanical Engineering/ Mechanical Technology/ Technician

Bachelor's Degrees

- Mechanical Engineering/ Mechanical Technology/ Technician

Master's, Doctoral, and Professional Degrees

- Mechanical Engineering

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Join SkillsUSA or the Automotive Service Association

Work-Based Learning Activities

- Work at a local automotive repair or body shop

Industry-Based Certifications

- ASE Entry Level Automobile Maintenance and Light Repair (MR)
- ASE Entry-Level Automobile Automatic Transmission/Transaxle (AT)
- ASE Entry-Level Automobile Brakes (BR)
- ASE Entry-Level Automobile Electronic/Electrical Systems (EE)
- ASE Entry-Level Automobile Engine Performance (EP)
- ASE Entry-Level Automobile Engine Repair (ER)
- ASE Entry-Level Automobile Heating and Air Conditioning (AC)
- ASE Entry-Level Automobile Manual Drive Train and Axles (MD)
- ASE Entry-Level Automobile Service Technology
- ASE Entry-Level Automobile Suspension and Steering (SS)
- ASE Entry-Level Collision Mechanical and Electrical Components (ME)
- ASE Entry-Level Collision Non-Structural Analysis and Damage Repair (SR)
- ASE Entry-Level Collision Painting and Refinishing (PR)
- ASE Entry-Level Collision Structural Analysis and Damage Repair
- Principles of Small Engine Technology Certification
- Small Engine Technology
- OSHA 30 Hour General*
- ASE Suspension and Steering
- ASE Structural Analysis Damage Repair
- ASE Painting & Refinishing*
- ASE Non-Structural Analysis Damage Repair*
- ASE Mech Elec Components
- ASE Manual Drive Train Axles
- ASE Maintenance Light Repair
- ASE Heating Ventilation, AC (HVAC)*
- ASE Auto Transmission
- ASE Automobile Service Technology
- ASE Brakes*
- ASE Electrical/Electronic Systems*
- ASE Engine Performance
- ASE Engine Repair*

*IBC sunseting 8/31/24

Aligned Occupations

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

Successful completion of the Automotive program of study will fulfill requirements of the Business and Industry endorsement Revised—August 2022



Automotive Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | | |
|--|--|--|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 | |
| <input type="checkbox"/> World Geography/ MAPS | <input type="checkbox"/> Advanced World Geography/MAPS | |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology | |
| <input type="checkbox"/> Math _____ | | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ <input type="checkbox"/> |
| <input type="checkbox"/> Technology Apps | <input type="checkbox"/> Fine Art | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> PE | <input type="checkbox"/> NJROTC | <input type="checkbox"/> Athletics |
| | | <input type="checkbox"/> Marching Band |

Sophomore Year

- | | | |
|--|--|---|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 | |
| <input type="checkbox"/> World History | <input type="checkbox"/> Advanced World History | |
| <input type="checkbox"/> Lab Science | <input type="checkbox"/> Advanced Lab Science | |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) | |
| <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Prof Comm/other elective | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> *DC Small Engine Technology I/DC Small Engine Technology II | | |
- (3 pds and transport to DMC)**

Junior Year

- | | | |
|---|---|---|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> AP US History | <input type="checkbox"/> DC US History |
| <input type="checkbox"/> 3 rd Science | <input type="checkbox"/> Advanced 3 rd Science | |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> DC Automotive Technology I/DC Automotive Technology II | | |
- (3 pds and transport to DMC)**

Senior Year

- | | | |
|---|---|---|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Govt/Econ | <input type="checkbox"/> DC Govt/DC Economics |
| <input type="checkbox"/> 4 th Science | <input type="checkbox"/> Advanced 4 th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> Math for Tech | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> 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**

Transportation, Distribution, and Logistics Career Cluster

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.

Aviation Regional Program of Study



The Aviation regional program of study introduces CTE learners to the occupations and education opportunities related to understanding the principles and science of flight, aviation engineering, air navigational aids, air traffic control, and communication to ensure conformance with federal safety regulations.

Secondary Courses for High School Credit

Level 1

- Introduction to Aerospace and Aviation
- Introduction to Aircraft Technology

Level 2

- Introduction to Unmanned Aerial Vehicle Flight

Level 3

- Aviation Ground School

Level 4

- Practicum in Transportation Systems I
- Practicum in Transportation Systems II

Postsecondary Opportunities

Associates Degrees

- Airline Pilots, Copilots, and Flight Engineers

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in SkillsUSA
- Explore virtual aviation websites

Work-Based Learning Activities

- Work in an aviation apprenticeship or internship
- Work for a drone company

Industry-Based Certifications

- FAA Part 107 Remote Drone Pilot

- Certified Aerospace Technician*
- OSHA 30 Hour General*

*IBC sunseting 8/31/24



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Aerospace Engineering and Operations Technicians	\$60,757	114	9%
Airline Pilots, Copilots, and Flight Engineers	\$165,130	1,150	9%
Commercial Pilots	\$86,310	548	9%

Successful completion of the Aviation regional program of study will fulfill requirements of the Business and Industry STEM endorsement if the math and science requirements are met. Revised—August 2022



Aviation Course Sequence

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

- | | |
|--|--|
| <input type="checkbox"/> Algebra 1
<input type="checkbox"/> Geometry
<input type="checkbox"/> Spanish 1
<input type="checkbox"/> Spanish 2
<input type="checkbox"/> Speech | <input type="checkbox"/> Health
<input type="checkbox"/> Business Information Systems Management
<input type="checkbox"/> Art 1
<input type="checkbox"/> Theatre Arts 1
<input type="checkbox"/> Other _____ |
|--|--|

Freshman Year

- | | | | | |
|---|--|--|---|--|
| <input type="checkbox"/> English 1
<input type="checkbox"/> World Geography/ MAPS
<input type="checkbox"/> Biology
<input type="checkbox"/> Math _____ | <input type="checkbox"/> Advanced English 1
<input type="checkbox"/> Advanced World Geography/MAPS
<input type="checkbox"/> Advanced Biology | <input type="checkbox"/> 1 st Year Foreign Language
<input type="checkbox"/> Technology Application
<input type="checkbox"/> PE | <input type="checkbox"/> 2nd Year Foreign Language
<input type="checkbox"/> Fine Art _____
<input type="checkbox"/> Athletics | <input type="checkbox"/> Elective _____
<input type="checkbox"/> Elective _____
<input type="checkbox"/> Marching Band |
| <input type="checkbox"/> NJROTC | | | | |

Sophomore Year

- | | | |
|---|--|---|
| <input type="checkbox"/> English 2
<input type="checkbox"/> World History
<input type="checkbox"/> Lab Science
<input type="checkbox"/> Math (at the next level)
<input type="checkbox"/> 2 nd Year Foreign Language
<input type="checkbox"/> Professional Communication/elective
<input type="checkbox"/> Introduction to Aerospace and Aviation / Introduction to Unmanned Aerial Vehicle Flight | <input type="checkbox"/> Advanced English 2
<input type="checkbox"/> Advanced World History
<input type="checkbox"/> Advanced Lab Science
<input type="checkbox"/> Advanced Math (at the next level)
<input type="checkbox"/> Elective _____ | <input type="checkbox"/> Elective _____ |
|---|--|---|

Junior Year

- | | | |
|---|--|---|
| <input type="checkbox"/> English 3
<input type="checkbox"/> US History
<input type="checkbox"/> 3 rd Science
<input type="checkbox"/> Math
<input type="checkbox"/> Practicum in Transportation Systems I (2 pds) | <input type="checkbox"/> AP English 3
<input type="checkbox"/> AP US History
<input type="checkbox"/> Advanced 3 rd Science
<input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC English 3
<input type="checkbox"/> DC US History
<input type="checkbox"/> College Algebra |
|---|--|---|

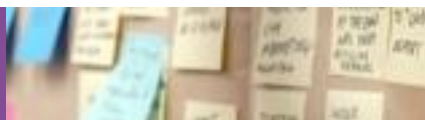
Senior Year

- | | | |
|--|--|--|
| <input type="checkbox"/> English 4
<input type="checkbox"/> Government/Economics
<input type="checkbox"/> 4 th Science
<input type="checkbox"/> Math
<input type="checkbox"/> Practicum in Transportation Systems II (2 pds) | <input type="checkbox"/> AP English 4
<input type="checkbox"/> AP Govt/Economics
<input type="checkbox"/> Advanced 4 th Science
<input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC English 4
<input type="checkbox"/> DC Government/Economics
<input type="checkbox"/> DC Science
<input type="checkbox"/> College Algebra |
|--|--|--|

Business, Marketing, and Finance Career Cluster

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

Business Management Statewide Program of Study



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

Secondary Courses for High School Credit

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
- Career Preparation I

Postsecondary Opportunities

Associates Degrees

- Business Administration
- Business/Commerce
- Public Administration
- Business Management

Bachelor's Degrees

- Business Administration
- Business/Commerce
- Public Administration
- Management Science

Master's, Doctoral, and Professional Degrees

- Business Administration
- Business Management
- Public Administration
- Management Science

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> • Participate in Business Professional of America, Future Business Leaders of America, or DECA 	<ul style="list-style-type: none"> • Intern with a local business or chamber of commerce

Industry-Based Certifications

- Administrative Assisting
- Certified Associate in Project Management (CAPM)
- Entrepreneurship and Small Business
- MB-920: Microsoft Dynamics 365 Fundamentals Finance and Operations Apps
- Microsoft Office Specialist 2016 Master
- Microsoft Office Specialist: Microsoft Access Expert (Access and Access 2019)
- Microsoft Office Specialist: Microsoft Excel Expert (Excel and Excel 2019)
- Microsoft Office Specialist: Microsoft Word Expert (Word and Word 2019)
- Project Management Institute (PMI) Project Management Ready

- Microsoft Office Specialist Excel*
- Microsoft Office Specialist Word*

*IBC sunseting 8/31/24

Aligned Occupations

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%
Supervisors of Administrative Support Works	\$57,616	14,982	20%

Successful completion of the Business Management program of study will fulfill requirements of the Business and Industry endorsement Revised– August 2022



Business Management Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Management (BIM) |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | |
|--|--|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 |
| <input type="checkbox"/> World Geography/MAPS | <input type="checkbox"/> Advanced World Geography/MAPS |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology |
| <input type="checkbox"/> Math _____ | |
| <input type="checkbox"/> 1st Year Foreign Language | <input type="checkbox"/> 2nd Year Foreign Language |
| <input type="checkbox"/> BIM | <input type="checkbox"/> Principles of Business, Marketing & Fin |
| <input type="checkbox"/> PE | <input type="checkbox"/> NJROTC |
| | <input type="checkbox"/> Athletics |
| | <input type="checkbox"/> Fine Art course |
| | <input type="checkbox"/> Marching Band |
| | <input type="checkbox"/> Elective _____ |

Sophomore Year

- | | |
|--|--|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 |
| <input type="checkbox"/> World History | <input type="checkbox"/> Advanced World History |
| <input type="checkbox"/> Lab Science | <input type="checkbox"/> Advanced Lab Science |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) |
| <input type="checkbox"/> 2nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> BIM II | |
| <input type="checkbox"/> Professional Communication/other elective | <input type="checkbox"/> Elective _____ |

Junior Year

- | | | |
|---|---|--|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> AP US History | <input type="checkbox"/> DC US History |
| <input type="checkbox"/> 3rd Science | <input type="checkbox"/> Advanced 3rd Science | |
| <input type="checkbox"/> Math | <input type="checkbox"/> DC College Algebra/DC Statistics | |
| <input type="checkbox"/> DC Business Management | | |

Senior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Govt/Economics | <input type="checkbox"/> DC Govt/DC Economics |
| <input type="checkbox"/> 4th Science | <input type="checkbox"/> Advanced 4th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> Math | <input type="checkbox"/> DC Business Math | |
| <input type="checkbox"/> DC Statistics & Business Decision Making or Practicum in Entrepreneurship (2 pds) | | |

Architecture and Construction Career Cluster

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

Carpentry Statewide Program of Study



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

Secondary Courses for High School Credit

Level 1

- Principles of Construction

Level 2

- Construction Technology I

Level 3

- Construction Technology II

Level 4

- Practicum in Construction Technology

Postsecondary Opportunities

Associates Degrees

- Carpentry/Carpenter
- Industrial Mechanics and Maintenance Technology

Bachelor's Degrees

- Construction Science

Master's, Doctoral, and Professional Degrees

- Construction Management

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Shadow a carpenter or millwright
- Participate in SkillsUSA

Work-Based Learning Activities

- Obtain an NCCER certification in Millwright Level 1 or Carpentry Level 1

Industry-Based Certifications

- HBI Pre-Apprenticeship Certificate Training (PACT), Basic Carpentry
- HBI Pre-Apprenticeship Certificate Training (PACT), Core
- HBI Pre-Apprenticeship Certificate Training (PACT), Green Core
- NCCER Carpentry Level I
- NCCER Carpentry Level II
- NCCER Commercial Carpenter
- NCCER Construction Technology Certification Level I
- NCCER Core
- NCCER Painting: Commercial and Residential Level I

- OSHA 30 Hour Construction*
- OSHA 30 Hour General*

*IBC sunseting 8/31/21



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Carpenters	\$35,922	5,031	26%
Cost Estimators	\$63,939	2,239	21%

Successful completion of the Carpentry program of study will fulfill requirements of the Business and Industry endorsement Revised– August 2022



Carpentry Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | | |
|--|--|---|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 | |
| <input type="checkbox"/> World Geography/ MAPS | <input type="checkbox"/> Advanced World Geography/MAPS | |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology | |
| <input type="checkbox"/> Math _____ | | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Technology Application | <input type="checkbox"/> Fine Art _____ | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Principles of Construction | | |

Sophomore Year

- | | | |
|--|--|--|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 | |
| <input type="checkbox"/> Lab Science | <input type="checkbox"/> Advanced Lab Science | |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) | |
| <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ | |
| <input type="checkbox"/> PE <input type="checkbox"/> NJROTC | <input type="checkbox"/> Athletics | <input type="checkbox"/> Marching Band |
| <input type="checkbox"/> Construction Technology I | | |

Junior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> AP US History | <input type="checkbox"/> DC US History |
| <input type="checkbox"/> 3 rd Science | <input type="checkbox"/> Advanced 3 rd Science | |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> DC Construction Technology II (2 pds) | | <input type="checkbox"/> Elective _____ |

Senior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Government/Econ | <input type="checkbox"/> DC Govt/DC Economics |
| <input type="checkbox"/> 4 th Science | <input type="checkbox"/> Advanced 4 th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> Math for Tech | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> DC Practicum in Construction Tech (2 pds) | | |

Human Services Career Cluster

The Human Services Career Cluster focuses on preparing individuals for employment in career pathways that relate to family and human needs such as counseling and mental health services, family and community services, personal care services, and consumer services.

Cosmetology and Personal Care Services Regional Program of Study



The Cosmetology and Personal Care Services regional program of study introduces CTE learners to knowledge and skills related to providing beauty and personal care services. CTE concentrators may learn about or practice managing personal care facilities and coordinating or supervising personal service workers.

Secondary Courses for High School Credit

Level 1

- Principles of Cosmetology Design and Color Theory

Level 2

- Introduction to Cosmetology

Level 3

- Cosmetology I/Lab

Level 4

- Cosmetology II/Lab

Postsecondary Opportunities

Certificate/License

- Certified Aesthetic Laser Operator
- Cosmetologist
- Certified Spa Supervisor
- Nail Technician/Specialist and Manicurist

Associates Degrees

- Cosmetology/Cosmetologist, General
- Aesthetician/Esthetician and Skin Care Specialist
- Salon/Beauty Salon Management/Manager
- Cosmetology, Barber/Styling, and Nail Instructor

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in TIVA or SkillsUSA

Work-Based Learning Activities

- Job shadow a cosmetologist
- Work parttime at a salon, spa, or barbershop

Industry-Based Certifications

- Cosmetology Operator License
- Cosmetology Esthetician Specialty License
- Cosmetology Manicurist Specialty License
- Barber Operating License



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
First-Line Supervisors of Personal Service Workers	\$36,941	1,634	24%
Barbers	\$28,267	348	14%
Hairdressers, Hairstylists, and Cosmetologists	\$21,507	3,489	22%
Manicurists and Pedicurists	\$21,715	418	45%
Shampooers	\$18,720	139	24%
Skincare Specialists	\$26,437	637	22%

Successful completion of the Cosmetology and Personal Care Services regional program of study will fulfill requirements of the Public Service endorsement. Revised—August 2022



Cosmetology Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | | |
|--|--|--|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 | |
| <input type="checkbox"/> World Geography/ MAPS | <input type="checkbox"/> Advanced World Geography/MAPS | |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology | |
| <input type="checkbox"/> Math _____ | | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Technology Application | <input type="checkbox"/> Fine Arts | <input type="checkbox"/> Prof Communication/Elective |
| <input type="checkbox"/> PE | <input type="checkbox"/> NJROTC | <input type="checkbox"/> Athletics |
| | | <input type="checkbox"/> Marching Band |

Sophomore Year

- | | |
|---|---|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 |
| <input type="checkbox"/> Lab Science | <input type="checkbox"/> Advanced Lab Science |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) |
| <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Professional Communications/Elective |
| <input type="checkbox"/> DC Introduction to Cosmetology/Principles of Cosmetology (2 pds and transport to DMC) | |

Junior Year

- | | | |
|---|---|---|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> AP US History | <input type="checkbox"/> DC US History |
| <input type="checkbox"/> 3 rd Science | <input type="checkbox"/> Advanced 3 rd Science | |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> DC Cosmetology I _____ (2 pds and transport to DMC) | | |

Senior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Govt/Economics | <input type="checkbox"/> DC Govt/DC Economics |
| <input type="checkbox"/> 4 th Science | <input type="checkbox"/> Advanced 4 th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> Math for Tech | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> DC Cosmetology II _____ (2 pds and transport to DMC) | | |

Hospitality and Tourism Career Cluster

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.

Culinary Arts Statewide Program of Study



The Culinary Arts program of study introduces CTE learners 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.

Secondary Courses for High School Credit

Level 1

- Introduction to Culinary Arts
- Principles of Hospitality and Tourism

Level 2

- Culinary Arts
- Foundations of Restaurant Management

Level 3

- Advanced Culinary Arts

Level 4

- Food Science
- Practicum in Culinary Arts
- Practicum in Entrepreneurship
- Career Preparation I

Postsecondary Opportunities

Associates Degrees

- Hotel and Restaurant Management
- Restaurant Culinary and Catering Management
- Hospitality Administration/ Management, General
- Culinary Arts/ Chef Training

Bachelor's Degrees

- Hotel and Restaurant Management
- Food Service Systems Administration/ Management
- Hospitality Administration/ Management, General
- Culinary Science and Food Service Management

Master's, Doctoral, and Professional Degrees

- Hotel and Restaurant Management
- Food Service Systems Administration/ Management
- Hospitality Administration/ Management, General
- Business Administration Management, General

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in Family, Career, and Community Leaders of America, SkillsUSA, American Culinary Federation, or the 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

Industry-Based Certifications

- Certified Fundamentals Cook
- Certified Fundamentals Pastry Cook
- Certified Hospitality & Tourism Management Professional
- Commercial Foods
- Culinary Meat Selection & Cookery Certification
- Food Protection Manager Certification
- Food Safety & Science Certification
- ManageFirst Professional
- Pre-Professional Certification in Culinary Arts
- Pre-Professional Certification in Food Science Fundamentals
- ServSafe Manager



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Food and Beverage Managers	\$55,619	1,561	28%
Chef and Head Cooks	\$43,285	1,366	25%
Food Science Technicians	\$34,382	236	11%

Successful completion of the Culinary Arts program of study will fulfill requirements of the Business and Industry endorsement. Revised—August 2022



Culinary Arts Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | | |
|--|--|---|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 | |
| <input type="checkbox"/> World Geography/ MAPS | <input type="checkbox"/> Advanced World Geography/MAPS | |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology | |
| <input type="checkbox"/> Math _____ | | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Technology Application | <input type="checkbox"/> Fine Art _____ | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Professional Communication/elective | | <input type="checkbox"/> Elective _____ |

Sophomore Year

- | | | |
|--|--|--|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 | |
| <input type="checkbox"/> World History | <input type="checkbox"/> Advanced World History | <input type="checkbox"/> US History |
| <input type="checkbox"/> Lab Science | <input type="checkbox"/> Advanced Lab Science | |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) | |
| <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ | |
| <input type="checkbox"/> PE | <input type="checkbox"/> NJROTC | <input type="checkbox"/> Athletics |
| <input type="checkbox"/> Elective _____ | | <input type="checkbox"/> Marching Band |

Junior Year

- | | | |
|---|---|---|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> Culinary Arts | |
| <input type="checkbox"/> 3 rd Science | <input type="checkbox"/> Advanced 3 rd Science | |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> DC Introduction to Culinary Arts/DC Culinary Arts (<u>3 pds and transport to DMC</u>) | | |

Senior Year

- | | | |
|---|---|---|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Govt/Economics | <input type="checkbox"/> DC Govt/DC Economics |
| <input type="checkbox"/> 4 th Science | <input type="checkbox"/> Advanced 4 th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> Math for Tech | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> DC Advanced Culinary Arts/DC Practicum in Culinary Arts (<u>3 pds and transport to DMC</u>) | | |

Arts, Audio/Video Technology, and Communications Career Cluster

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 this cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a professional and written communication

Digital Communications Statewide Program of Study



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, speakers, video screens, projectors, video monitors, sound and mixing boards, and related electronic equipment

Secondary Courses for High School Credit

Level 1

- Principles of Arts, Audio/Video Technology, and Communications

Level 2

- Audio/Video Production I/Lab

Level 3

- Audio/Video Production II/Lab

Level 4

- Practicum of Audio/Video Production

Postsecondary Opportunities

Associate's Degrees

- Recording Arts Technology/Technician
- Cinematography and Film/Video Production
- Radio and Television Broadcasting Technology/Technician
- Music Technology

Bachelor's Degrees

- Recording Arts Technology/Technician
- Cinematography and Film/Video Production
- Radio and Television
- Agricultural Communication/Journalism

Master's, Doctoral, and Professional Degrees

- Communications Technology/Technician
- Cinematography and Film/Video Production
- Radio and Television
- Agricultural Communication/Journalism

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Shadow a production team
- Participate in SkillsUSA or TSA

Work-Based Learning Activities

- Intern at a local television station or video production company
- Work with a local company on a project

Industry-Based Certifications

- Adobe Certified Professional in Print and Digital Media Publication Using Adobe InDesign
- Adobe Certified Professional in Print and Digital Media Publication Using Adobe InDesign
- Adobe Certified Professional in Visual Design
- Adobe Certified Professional in Visual Design Using Adobe Photoshop
- Audio-Visual Communications- Job Ready
- Broadcasting and Journalism
- Digital Video Production Foundations



Aligned Occupations

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%

Successful completion of the Digital Communications program of study will fulfill requirements of the Business and Industry endorsement. Revised—August 2022



Digital Communications Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | |
|--|--|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 |
| <input type="checkbox"/> World Geography/ MAPS | <input type="checkbox"/> Advanced World Geography/MAPS |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology |
| <input type="checkbox"/> Math _____ | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2 nd Year Foreign Language <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Principles of Arts, A/V Technology & Communications | |
| <input type="checkbox"/> Fine Art course | <input type="checkbox"/> Professional Communication/other elective |

Sophomore Year

- | | |
|--|---|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 |
| <input type="checkbox"/> World History | <input type="checkbox"/> Advanced World History |
| <input type="checkbox"/> Lab Science | <input type="checkbox"/> Advanced Lab Science |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) |
| <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Audio/Video Production | |
| <input type="checkbox"/> PE <input type="checkbox"/> NJROTC | <input type="checkbox"/> Athletics <input type="checkbox"/> Marching Band |

Junior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> AP US History | <input type="checkbox"/> DC US History |
| <input type="checkbox"/> 3 rd Science | <input type="checkbox"/> Advanced 3 rd Science | |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> Audio/Video Production II | | |
| <input type="checkbox"/> Elective _____ | | |
| <input type="checkbox"/> Elective _____ | | |

Senior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Govt/Economics | <input type="checkbox"/> DC Govt/DC Economics |
| <input type="checkbox"/> 4 th Science | <input type="checkbox"/> Advanced 4 th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> Practicum of Audio/Video Production | | |
| <input type="checkbox"/> Elective _____ | | |
| <input type="checkbox"/> Elective _____ | | |

Architecture and Construction Career Cluster

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

Electrical Statewide Program of Study



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.

Secondary Courses for High School Credit

Level 1

- Principles of Construction - Craft

Level 2

- Electrical Technology I - Craft

Level 3

- Electrical Technology II - Craft

Level 4

- Practicum in Construction Technology - Craft

Postsecondary Opportunities

Associates Degrees

- Electrician
- Communications Systems Installation and Repair Technology

Bachelor's Degrees

- Construction Science

Master's, Doctoral, and Professional Degrees

- Construction Management

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> Shadow an electrician or fiber optics line installer Participate in SkillsUSA 	<ul style="list-style-type: none"> Intern or shadow an electrician

Industry-Based Certifications

- C-200 Certified Industry 4.0 Automation Systems Specialist I-201 Electrical Systems 1
- HBI Pre-Apprenticeship Certificate Training (PACT), Basic Electrical
- HBI Pre-Apprenticeship Certificate Training (PACT), Core
- NCCER Commercial Electrician
- NCCER Construction Technology Certification Level I
- NCCER Core
- NCCER Electrical Level I
- NCCER Electrical Level II
- NCCER Electronic System Technician Level I
- NCCER Electronic System Technician Level II

- Certified Electronics Systems Associate*
- Electrical Apprenticeship Certificate Level 1
- ISCET Certified Electronics Technician*
- OSHA 30 Hour Construction*
- OSHA 30 Hour General*

*IBC sunsetting 8/31/24

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Electrical Linemen	\$54,184	1,314	28%
Electricians	\$44,013	8,460	21%
Electrical and Electronics Installers	\$37,544	245	19%
Security and Fire Alarm Installers	\$43,638	1,112	22%
Telecommunication Line Installers and Repairers	\$49,150	1,228	10%

Successful completion of the Electrical program of study will fulfill requirements of the Business and Industry endorsement and STEM endorsement if the math and science requirements are met—August 2022



Electrical Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | | |
|--|--|---|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 | |
| <input type="checkbox"/> World Geography/ MAPS | <input type="checkbox"/> Advanced World Geography/MAPS | |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology | |
| <input type="checkbox"/> Math _____ | | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Technology Application | <input type="checkbox"/> Fine Art _____ | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Professional Communication/elective | | <input type="checkbox"/> Elective _____ |

Sophomore Year

- | | | |
|---|--|--|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 | |
| <input type="checkbox"/> World History | <input type="checkbox"/> Advanced World History | |
| <input type="checkbox"/> Lab Science | <input type="checkbox"/> Advanced Lab Science | |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) | |
| <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ | |
| <input type="checkbox"/> *CTC Principles of Construction/Introduction to Welding (2 pds and Advisory) | | |

Junior Year

- | | | |
|---|---|---|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> AP US History | <input type="checkbox"/> DC US History |
| <input type="checkbox"/> 3 rd Science | <input type="checkbox"/> Advanced 3 rd Science | |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> PE | <input type="checkbox"/> NJROTC | <input type="checkbox"/> Marching Band |
| <input type="checkbox"/> CTC Electrical Technology I (2 pds and Advisory) | | |

Senior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Govt/Economics | <input type="checkbox"/> DC Govt/DC Economics |
| <input type="checkbox"/> 4 th Science | <input type="checkbox"/> Advanced 4 th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> Math for Tech | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> Elective _____ | | |
| <input type="checkbox"/> CTC Electrical Technology II (2 pds and Advisory) | | |

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

Law and Public Service Career Cluster

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

Emergency Services Statewide Program of Study



The Emergency Services program of study focuses on training CTE learners to respond to emergency situations, such as medical emergencies and fire-based emergencies. Students will 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.

Secondary Courses for High School Credit

Level 1

- Principles of Law, Public Safety, Corrections, and Security

Level 2

Level 3

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

Level 4

- Firefighter II

Postsecondary Opportunities

Associates Degrees

- Emergency Medical Technology/Technician (EMT Paramedic)
- Fire Prevention and Safety Technology/Technician
- Fire Science/Firefighting

Bachelor's Degrees

- Emergency Medical Technology/Technician (EMT Paramedic)
- Natural Resources Law Enforcement and Protective Services

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Attend local emergency awareness events
- Join the Texas Public Service Association

Work-Based Learning Activities

- Volunteer at a hospital or a fire station

Industry-Based Certifications

- Basic Structure Fire Protection
- Emergency Medical Responder
- Emergency Medical Technician Basic
- IAED Emergency Telecommunicator

- OSHA Hazardous Waste Operations and Emergency Response*

*IBC sunseting 8/31/24



Aligned Occupations

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%

Successful completion of the Emergency Services program of study will fulfill requirements of the Public Service endorsement. Revised—August 2022

Emergency Services Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | | |
|--|--|---|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 | |
| <input type="checkbox"/> World Geography/ MAPS | <input type="checkbox"/> Advanced World Geography/MAPS | |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology | |
| <input type="checkbox"/> Math _____ | | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Technology Application | <input type="checkbox"/> Fine Art _____ | <input type="checkbox"/> Elective _____ |

Sophomore Year

- | | | |
|--|--|-------------------------------------|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 | |
| <input type="checkbox"/> World History | <input type="checkbox"/> Advanced World History | <input type="checkbox"/> US History |
| <input type="checkbox"/> Lab Science | <input type="checkbox"/> Advanced Lab Science | |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) | |
| <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Professional Communication/Elective _____ | |
| <input type="checkbox"/> Principles of Law, Public Safety, Corrections, and Security | | |

Junior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> DC course | |
| <input type="checkbox"/> 3 rd Science | <input type="checkbox"/> Advanced 3 rd Science | |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> DC Firefighter I (full yr course) (3 pds and transport to DMC) | | |

Senior Year

- | | | |
|--|---|--|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Govt/Economics | <input type="checkbox"/> DC Govt/DC Economics |
| <input type="checkbox"/> Anatomy & Physiology | <input type="checkbox"/> Advanced 4 th Science | <input type="checkbox"/> DC Anatomy & Physiology |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> PE | <input type="checkbox"/> NJROTC | <input type="checkbox"/> Athletics |
| | | <input type="checkbox"/> Marching Band |
| <input type="checkbox"/> DC Firefighter II (full year) | | |
| <input type="checkbox"/> DC Emergency Medical Technician (Spring sem only) | | |
| (both DC courses are 3 pds and transport to DMC) | | |

Arts & Humanities Endorsement

Fine Arts

Four courses from one or two disciplines in fine arts



Secondary Courses for High School Credit

Level 1

- Art 1
- Band 1
- Choir 1
- Dance 1
- Theater 1

Level 2

- Art 2
- Band 2
- Choir 2
- Dance 2
- Theater 2

Level 3

- Art 3
- Band 3
- Choir 3
- Dance 3
- Theater 3

Level 4

- Art 4
- Band 4
- Choir 4
- Dance 4
- Theater 4

Fine Arts Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | |
|--|--|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 |
| <input type="checkbox"/> World Geography/ MAPS | <input type="checkbox"/> Advanced World Geography/MAPS |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology |
| <input type="checkbox"/> Math _____ | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2nd Year Foreign Language <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Technology Application | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Fine Arts 1 | <input type="checkbox"/> Elective _____ |

Sophomore Year

- | | |
|--|--|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 |
| <input type="checkbox"/> World History | <input type="checkbox"/> Advanced World History |
| <input type="checkbox"/> Lab Science | <input type="checkbox"/> Advanced Lab Science |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) |
| <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Fine Arts 2 | |
| <input type="checkbox"/> Professional Communication/other elective | <input type="checkbox"/> Elective _____ |

Junior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> AP US History | <input type="checkbox"/> DC US History |
| <input type="checkbox"/> 3 rd Science | <input type="checkbox"/> Advanced 3 rd Science | |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> Fine Arts 3 | | |
| <input type="checkbox"/> PE | <input type="checkbox"/> NJROTC | <input type="checkbox"/> Athletics |
| <input type="checkbox"/> Elective _____ | | <input type="checkbox"/> Marching Band |

Senior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Govt/Economics | <input type="checkbox"/> DC Govt/DC Economics |
| <input type="checkbox"/> 4 th Science | <input type="checkbox"/> Advanced 4 th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> Fine Arts 4 | | |
| <input type="checkbox"/> Elective _____ | | |
| <input type="checkbox"/> Elective _____ | | |

Health Science Career Cluster

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

Healthcare Diagnostics Statewide Program of Study



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

Secondary Courses for High School Credit

Level 1

- Principles of Health Science

Level 2

- Medical Terminology

Level 3

- Health Science Theory

Level 4

- Anatomy and Physiology
- Practicum in Health Science I
- Practicum in Health Science II

Postsecondary Opportunities

Associates Degrees

- Nuclear Medical Technology/Technologist
- Magnetic Resonance Imaging (MRI) Technology/Technician

Bachelor's Degrees

- Nuclear Medical Technology/Technologist
- Medical Radiologic Technology/Science Radiation Therapist

Master's, Doctoral, and Professional Degrees

- Radiologist
- Radiologic Technology/Science Radiographer

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in Health Occupation Students of America

Work-Based Learning Activities

- Perform clinical rotations at a community wellness center, hospital, assisted living, nursing home

Industry-Based Certifications

- Certified Cardiographic Technician
- Certified Clinical Medical Assistant
- Certified EKG Technician
- Emergency Medical Technician- Basic
- ECG Technician
- Limited Medical Radiologic Technologist
- Medical Assistant
- Medical Laboratory Assistant
- Medical Laboratory Technician
- Nationally Registered Certified EKG Technician
- Phlebotomy Technician
- Registered Diagnostic Medical Sonographer Abdomen*
- Registered Diagnostic Medical Sonographer Obstetrics and Gynecology*
- Registered Technologist- Cardiac Interventional Radiography*
- Registered Technologist- Computed Tomography*
- Registered Technologist- Magnetic Resonance Imaging*
- Registered Technologist- Mammography*
- Registered Technologist- Nuclear Medicine Technology*
- Registered Technologist- Radiography*
- Registered Technologist- Sonography*
- Registered Technologist- Vascular Sonography*
- Registered Technologist- Vascular Interventional Radiography*
- Registered Vascular Technology*

*IBC sunseting 8/31/24

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Diagnostic Medical Sonographers	\$69,909	495	35%
Phlebotomist	\$30,597	1,442	36%
Nuclear Medicine Technologists	\$75,962	91	13%
Radiologic Technologists	\$55,494	1,196	21%
Magnetic Resonance Imaging Technologists	\$68,661	217	21%

Successful completion of the Healthcare Diagnostics program of study will fulfill requirements of the Public Service or STEM endorsement if the math and science requirements are met. Revised—August 2022



Healthcare Diagnostics Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | | |
|--|--|---|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 | |
| <input type="checkbox"/> World Geography/ MAPS | <input type="checkbox"/> Advanced World Geography/MAPS | |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology | |
| <input type="checkbox"/> Math _____ | | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Principles of Health Science | | |
| <input type="checkbox"/> Fine Art course | <input type="checkbox"/> Technology Applications | <input type="checkbox"/> Elective _____ |

Sophomore Year

- | | |
|--|--|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 |
| <input type="checkbox"/> World History | <input type="checkbox"/> Advanced World History |
| <input type="checkbox"/> Chemistry | <input type="checkbox"/> Advanced Chemistry |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) |
| <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Professional Communication/elective | |
| <input type="checkbox"/> Health Science Theory | |

Junior Year

- | | | |
|--|---|--|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> AP US History | <input type="checkbox"/> DC US History |
| <input type="checkbox"/> Physics | <input type="checkbox"/> Advanced Physics | <input type="checkbox"/> 3 rd Science |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> PE | <input type="checkbox"/> NJROTC | <input type="checkbox"/> Marching Band |
| <input type="checkbox"/> Athletics | | |
| <input type="checkbox"/> Practicum in Health Science I (2 periods) | | |

Senior Year

- | | | |
|---|--|--|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Govt/Economics | <input type="checkbox"/> DC Govt/DC Economics |
| <input type="checkbox"/> Anatomy & Physiology | <input type="checkbox"/> 4 th Science | <input type="checkbox"/> DC Anatomy & Physiology |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> Practicum in Health Science II (2 periods) | | |
| <input type="checkbox"/> Elective _____ | | |

Multidisciplinary Endorsement

Dual Credit Academy

Four credits in Dual Credit courses selected from English, mathematics, science, social studies, economics and fine arts



Secondary Courses for High School Credit

Level 1

- Advanced Course work in at least 2 core classes

Level 2

- Advanced Coursework in at least 2 core classes

Level 3

- Dual Credit coursework on campus (Del Mar or TAMUCC)
- HighSchool 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)

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | | |
|--|--|---|
| <input type="checkbox"/> Advanced English 1 | | |
| <input type="checkbox"/> Advanced World Geography/MAPS | | |
| <input type="checkbox"/> Advanced Biology | | |
| <input type="checkbox"/> Advanced Math _____ | | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Technology Application | <input type="checkbox"/> Fine Art course | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> PE | <input type="checkbox"/> NJROTC | <input type="checkbox"/> Athletics |
| | | <input type="checkbox"/> Marching Band |

Sophomore Year

- | | | |
|--|--|---|
| <input type="checkbox"/> Advanced English 2 | | |
| <input type="checkbox"/> Advanced World History | | |
| <input type="checkbox"/> Advanced Chemistry | | |
| <input type="checkbox"/> Advanced Math (at the next level) | | |
| <input type="checkbox"/> 2 nd Year Foreign Language | | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Professional Communications/elective | | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Elective _____ | | |

Junior Year

- | | |
|---|---|
| <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> AP US History | <input type="checkbox"/> DC US History |
| <input type="checkbox"/> Advanced Physics | |
| <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> Elective _____ | |
| <input type="checkbox"/> Elective _____ | |
| <input type="checkbox"/> Elective _____ | |

Senior Year

- | | |
|---|---|
| <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> AP Government/Economics | <input type="checkbox"/> DC Government/DC Economics |
| <input type="checkbox"/> Advanced 4 th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> Elective _____ | |
| <input type="checkbox"/> Elective _____ | |
| <input type="checkbox"/> 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**

Business & Industry Endorsement

Journalism

Four English credits by selecting courses from the following list to include three levels in one area



Secondary Courses for High School Credit

Level 1

- Journalism
- Photojournalism

Level 2

- Yearbook 1
- Newspaper 1

Level 3

- Yearbook 2
- Newspaper 2

Level 4

- Yearbook 3
- Newspaper 3

Journalism Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | | |
|--|--|---|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 | |
| <input type="checkbox"/> World Geography/ MAPS | <input type="checkbox"/> Advanced World Geography/ MAPS | |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology | |
| <input type="checkbox"/> Math _____ | | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Technology Application | <input type="checkbox"/> Fine Art | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Journalism | <input type="checkbox"/> Photojournalism | |

Sophomore Year

- | | | |
|--|--|---|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 | |
| <input type="checkbox"/> World History | <input type="checkbox"/> Advanced World History | |
| <input type="checkbox"/> Lab Science | <input type="checkbox"/> Advanced Lab Science | |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) | |
| <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ | |
| <input type="checkbox"/> Yearbook 1 | <input type="checkbox"/> Newspaper 1 | |
| <input type="checkbox"/> Professional Communication/elective | | <input type="checkbox"/> Elective _____ |

Junior Year

- | | | |
|---|---|---|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> AP US History | <input type="checkbox"/> DC US History |
| <input type="checkbox"/> 3 rd Science | <input type="checkbox"/> Advanced 3 rd Science | |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> Yearbook 2 | <input type="checkbox"/> Newspaper 2 | |
| <input type="checkbox"/> PE <input type="checkbox"/> NJROTC | <input type="checkbox"/> Marching Band | <input type="checkbox"/> Athletics |
| <input type="checkbox"/> Elective _____ | | |

Senior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Govt/Economics | <input type="checkbox"/> DC Govt/DC Economics |
| <input type="checkbox"/> 4 th Science | <input type="checkbox"/> Advanced 4 th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> Yearbook 3 | <input type="checkbox"/> Newspaper 3 | |
| <input type="checkbox"/> Elective _____ | | |
| <input type="checkbox"/> Elective _____ | | |

Law and Public Service Career Cluster

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

Law Enforcement Statewide Program of Study



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

Secondary Courses for High School Credit

Level 1

- Principles of Law, Public Safety, Corrections, and Security

Level 2

- Law Enforcement I
- Criminal Investigation

Level 3

- Law Enforcement II
- Correctional Services

Level 4

- Forensic Science
- Practicum in Law, Public Safety Corrections, and Security

Postsecondary Opportunities

Associates Degrees

- Criminal Justice/Safety Studies/Law
- Enforcement Administration
- Criminal Justice/Police Science
- Corrections
- Criminalistics and Criminal Science

Bachelor's Degrees

- Criminal Justice/Safety Studies/Law
- Enforcement Administration
- Criminal Justice/Police Science
- Juvenile Corrections
- Cyber/Computer Forensics and Counterterrorism

Master's, Doctoral, and Professional Degrees

- Criminal Justice/Safety Studies/Law
- Enforcement Administration
- Natural Resources
- Law Enforcement and Protective Services

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Join the Texas Public Service Association or local criminal justice clubs

Work-Based Learning Activities

- Attend court hearings and other legal procedures

Industry-Based Certifications

- Non-Commissioned Security Officer Level II
- IAED Emergency Telecommunicator



Aligned Occupations

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%

Successful completion of the Law and Public Service program of study will fulfill requirements of the Public Service endorsement Revised—August 2022



Law Enforcement Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | |
|---|--|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 |
| <input type="checkbox"/> World Geography/ MAPS | <input type="checkbox"/> Advanced World Geography/MAPS |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology |
| <input type="checkbox"/> Math _____ | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2 nd Year Foreign Language <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> DC Principles of Law, Public Safety, Corrections, and Security (Online) | |
| <input type="checkbox"/> Fine Art | <input type="checkbox"/> Professional Communication/other elective |

Sophomore Year

- | | |
|---|---|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 |
| <input type="checkbox"/> World History | <input type="checkbox"/> Advanced World History |
| <input type="checkbox"/> Lab Science | <input type="checkbox"/> Advanced Lab Science |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) |
| <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> DC Law Enforcement I/DC Law Enforcement II (Online) | |
| <input type="checkbox"/> PE | <input type="checkbox"/> NJROTC <input type="checkbox"/> Athletics <input type="checkbox"/> Marching Band |

Junior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> AP US History | <input type="checkbox"/> DC US History |
| <input type="checkbox"/> 3 rd Science | <input type="checkbox"/> Advanced 3 rd Science | |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> DC Practicum in Law, Public Safety, Corrections, and Security/Elective_____ (Online) | | |
| <input type="checkbox"/> Technology Applications | <input type="checkbox"/> Elective _____ | |
| <input type="checkbox"/> Elective _____ | | |

Senior Year

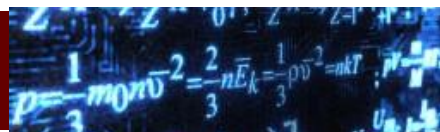
- | | | |
|--|---|---|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Govt/Economics | <input type="checkbox"/> DC Govt/DC Economics |
| <input type="checkbox"/> 4 th Science | <input type="checkbox"/> Advanced 4 th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> Elective _____ | | |
| <input type="checkbox"/> Elective _____ | | |
| <input type="checkbox"/> Elective _____ | | |

Science, Technology, Engineering, and Mathematics Endorsement

(Chemistry, Physics and Algebra 2 are REQUIRED)

Mathematics

Three credits in math by successfully completing Algebra II and two additional mathematics course for which Algebra II is a prerequisite



Secondary Courses for High School Credit

Level 1

- Algebra 1

Level 2

- Geometry

Level 3

- Algebra 2

Level 4

- PreCalculus
- AP Calculus AB
- AP Calculus 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

☐ World Geography/ MAPS

☐ Biology

☐ Geometry

☐ 1st Year Foreign Language

☐ Technology Application

☐ PE

☐ NJROTC

☐ Advanced English 1

☐ Advanced World Geography/MAPS

☐ Advanced Biology

☐ Advanced Geometry

☐ 2nd Year Foreign Language

☐ Fine Art

☐ Marching Band

☐ Math

☐ Elective _____

☐ Elective _____

☐ Athletics

Sophomore Year

☐ English 2

☐ World History

☐ Chemistry

☐ Algebra 2

☐ 2nd Year Foreign Language

☐ Professional Communication/elective

☐ Elective _____

☐ Advanced English 2

☐ Advanced World History

☐ Advanced Chemistry

☐ Advanced Algebra 2

☐ Elective _____

☐ Math

☐ Elective _____

Junior Year

☐ English 3

☐ US History

☐ Physics

☐ Pre-Calculus

☐ Elective _____

☐ Elective _____

☐ Elective _____

☐ AP English 3

☐ AP US History

☐ Advanced Physics

☐ Advanced Pre-Calculus

☐ DC English 3

☐ DC US History

☐ DC College Algebra

Senior Year

☐ English 4

☐ Government/Economics

☐ 4th Science

☐ AP Calculus AB

☐ Elective _____

☐ Elective _____

☐ Elective _____

☐ AP English 4

☐ AP Govt/Economics

☐ Advanced 4th Science

☐ DC Math

☐ DC English 4

☐ DC Govt/DC Economics

☐ DC Science

Public Service Endorsement

Naval Junior Officer Training Corp Four courses in NJROTC



Secondary Courses for High School Credit

Level 1

- NJROTC 1

Level 2

- NJROTC 2

Level 3

- NJROTC 3

Level 4

- NJROTC 4

NJROTC Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | | |
|--|--|---|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 | |
| <input type="checkbox"/> World Geography/ MAPS | <input type="checkbox"/> Advanced World Geography/ MAPS | |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology | |
| <input type="checkbox"/> Math _____ | | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Technology Application | <input type="checkbox"/> Fine Art course | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> NJROTC 1 | | |

Sophomore Year

- | | | |
|--|--|---|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 | |
| <input type="checkbox"/> World History | <input type="checkbox"/> Advanced World History | |
| <input type="checkbox"/> Lab Science | <input type="checkbox"/> Advanced Lab Science | |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) | |
| <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ | |
| <input type="checkbox"/> Professional Communication/elective | | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> NJROTC 2 | | |

Junior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> AP US History | <input type="checkbox"/> DC US History |
| <input type="checkbox"/> 3 rd Science | <input type="checkbox"/> Advanced 3 rd Science | |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> NJROTC 3 | | |
| <input type="checkbox"/> Elective _____ | | |
| <input type="checkbox"/> Elective _____ | | |

Senior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Govt/Economics | <input type="checkbox"/> DC Govt/DC Economics |
| <input type="checkbox"/> 4 th Science | <input type="checkbox"/> Advanced 4 th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> NJROTC 4 | | |
| <input type="checkbox"/> Elective _____ | | |
| <input type="checkbox"/> Elective _____ | | |

Architecture and Construction Career Cluster

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

Plumbing and Pipefitting Statewide Program of Study



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

Secondary Courses for High School Credit

Level 1

- Principles of Construction
- Introduction to Welding

Level 2

- Plumbing Technology I
- Pipefitting Technology I/Lab

Level 3

- Plumbing Technology II
- Pipefitting Technology II/Lab

Level 4

- Practicum in Construction Technology

Postsecondary Opportunities

Associates Degrees

- Plumbing Technology/ Plumber
- Electrical and Power Transmission Installation/ Installer, General
- Pipefitting/ Pipefitter and Sprinkler Fitter
- High Performance and Custom Engine Technician/ Mechanic

Bachelor's Degrees

- Construction Science
- Operations Management and Supervision

Master's, Doctoral, and Professional Degrees

- Construction Management
- Operations Management and Supervision

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> • Job shadow a plumber, pipefitter, or steamfitter • Participate in SkillsUSA 	<ul style="list-style-type: none"> • Obtain a Core Curriculum NCCER certification in Pipefitting Level I or Plumbing Level I

Industry-Based Certifications

- HBI Pre-Apprenticeship Certificate Training (PACT), Core
- Industrial Technology Maintenance (ITM) Maintenance Piping
- NCCER Core
- NCCER Industrial Pipefitter
- NCCER Pipefitting, Level I
- NCCER Plumbing, Level I
- NCCER Plumbing, Level II
- NCCER Construction Technology Certification Level I
- Tradesman Plumber– Limited
- OSHA 30 Hour Construction*
- OSHA 30 Hour General*

*IBC sunseting 8/31/24



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Mechanics, Installers, and Repairers	\$63,710	4,243	17%
Plumbers, Pipefitters and Steamfitters	\$44,928	5,765	23%
Helpers-Pipelayers, Plumbers, Pipefitters, and Steamfitters	\$30,098	1,567	18%
Pipe Installers	\$31,616	802	21%

Successful completion of the Plumbing and Pipefitting program of study will fulfill requirements of the Business and Industry endorsement Revised– August 2022



Plumbing and Pipefitting Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | | |
|--|--|---|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 | |
| <input type="checkbox"/> World Geography/ MAPS | <input type="checkbox"/> Advanced World Geography/MAPS | |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology | |
| <input type="checkbox"/> Math _____ | | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Technology Application | <input type="checkbox"/> Fine Art _____ | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Professional Communication/other elective | | <input type="checkbox"/> Elective _____ |

Sophomore Year

- | | |
|--|--|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 |
| <input type="checkbox"/> World History | <input type="checkbox"/> Advanced World History |
| <input type="checkbox"/> Lab Science | <input type="checkbox"/> Advanced Lab Science |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) |
| <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> *CTC Principles of Construction/CTC Introduction to Welding (2 pds) | |

Junior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> AP US History | <input type="checkbox"/> DC US History |
| <input type="checkbox"/> 3 rd Science | <input type="checkbox"/> Advanced 3 rd Science | |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> PE | <input type="checkbox"/> NJROTC | <input type="checkbox"/> Athletics |
| <input type="checkbox"/> *CTC Plumbing or Pipefitting Technology I (2 pds) | | <input type="checkbox"/> Marching Band |

Senior Year

- | | | |
|---|---|---|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Govt/Economics | <input type="checkbox"/> DC Govt/DC Economics |
| <input type="checkbox"/> 4 th Science | <input type="checkbox"/> Advanced 4 th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> Math for Tech | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> *CTC Plumbing or Pipefitting Technology II (2 pds) | | |
| <input type="checkbox"/> Elective _____ | | |

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

Science, Technology, Engineering, and Mathematics Career Cluster

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.

Programming and Software Development Statewide Program of Study



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

Secondary Courses for High School Credit

Level 1

Level 2

- Computer Science I
- AP Computer Science Principles (OnRamps)

Level 3

- AP Computer Science A, MATH
- AP Computer Science A, LOTE
- Computer Science II

Level 4

- Computer Science III

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Join TSA
- Participate in coding club at school

Work-Based Learning Activities

- Obtain an industry based certification

Industry-Based Certifications

- C++ Certified Associate Programmer
- Certified EntryLevel Python Programmer (PCEP)
- Certified Professional Programmer
- CompTIA Linux+
- Oracle Certified Associate Java SE 8 Programmer
- Oracle Database SQL Certified Associate



Postsecondary Opportunities

Associates Degrees

- Computer Programming/Programmer General
- Computer Software Engineer
- Computer Science
- Certified Software Analyst

Bachelor's Degrees

- Management Information Systems, General
- Computer Software Engineer
- Computer Science
- Information Science/ Studies

Master's, Doctoral, and Professional Degrees

- Computer Software Engineer
- Computer Science
- Information Science/ Studies

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Software Developer, Systems Software	\$103,334	2,985	25%
Software Developers, Application	\$104,499	6,311	30%
Computer Programmers	\$79,893	1,454	9%

Successful completion of the Programming and Software Development program of study will fulfill requirements of the Business and Industry endorsement and STEM endorsement if the math and science requirements are met. Revised – August 2022

Programming and Software Development Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | |
|--|--|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 |
| <input type="checkbox"/> World Geography/ MAPS | <input type="checkbox"/> Advanced World Geography/MAPS |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology |
| <input type="checkbox"/> Math _____ | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2 nd Year Foreign Language <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Computer Science I | |
| <input type="checkbox"/> Fine Art course | <input type="checkbox"/> Professional Communication/other elective |

Sophomore Year

- | | |
|---|--|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 |
| <input type="checkbox"/> World History | <input type="checkbox"/> Advanced World History |
| <input type="checkbox"/> Chemistry | <input type="checkbox"/> Advanced Chemistry |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) |
| <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Advanced Computer Science | |
| <input type="checkbox"/> PE <input type="checkbox"/> NJROTC <input type="checkbox"/> Athletics <input type="checkbox"/> Marching Band | |

Junior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> AP US History | <input type="checkbox"/> DC US History |
| <input type="checkbox"/> Physics | <input type="checkbox"/> Advanced Physics | |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> AP Computer Science | | |
| <input type="checkbox"/> Elective _____ | | |
| <input type="checkbox"/> Elective _____ | | |

Senior Year

- | | | |
|--|---|--|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Govt/Economics | <input type="checkbox"/> DC Government/DC Econ |
| <input type="checkbox"/> 4 th Science | <input type="checkbox"/> Advanced 4 th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> Computer Science III | | |
| <input type="checkbox"/> Elective _____ | | |
| <input type="checkbox"/> Elective _____ | | |

Science, Technology, Engineering, and Mathematics Endorsement

(Chemistry, Physics and Algebra 2 are REQUIRED)

Science

Four credits in science by successfully completing chemistry, physics, and two additional science courses



Secondary Courses for High School Credit

Level 1

- Biology

Level 2

- Chemistry

Level 3

- Physics

Level 4

- AP Science course
- DC Science course
- OR Science course
- Anatomy and Physiology
- Aquatic Science
- Earth and Space Science
- Environmental Systems
- Forensic Science

Science Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | | |
|--|--|---|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 | |
| <input type="checkbox"/> World Geography/ MAPS | <input type="checkbox"/> Advanced World Geography/ MAPS | |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology | |
| <input type="checkbox"/> Math _____ | | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Technology Application | <input type="checkbox"/> Fine Art | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> PE | <input type="checkbox"/> NJROTC | <input type="checkbox"/> Athletics |
| | <input type="checkbox"/> Marching Band | |

Sophomore Year

- | | | |
|--|--|---|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 | |
| <input type="checkbox"/> World History | <input type="checkbox"/> Advanced World History | |
| <input type="checkbox"/> Chemistry | <input type="checkbox"/> Advanced Chemistry | |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) | |
| <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ | |
| <input type="checkbox"/> Elective _____ | | |
| <input type="checkbox"/> Professional Communication/other elective | | <input type="checkbox"/> Elective _____ |

Junior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> AP US History | <input type="checkbox"/> DC US History |
| <input type="checkbox"/> Physics | <input type="checkbox"/> Advanced Physics | |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> Professional Communication/elective | | |
| <input type="checkbox"/> Elective _____ | | |
| <input type="checkbox"/> Elective _____ | | |

Senior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Govt/Economics | <input type="checkbox"/> DC Govt/DC Economics |
| <input type="checkbox"/> 4 th Science | <input type="checkbox"/> Advanced 4 th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> 5 th Science | <input type="checkbox"/> Advanced 5 th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> Elective _____ | | |
| <input type="checkbox"/> Elective _____ | | |

Arts & Humanities Endorsement

Social Studies Five social studies credits



Secondary Courses for High School Credit

Level 1

- World Geography

Level 2

- World History

Level 3

- U.S. History

Level 4

- U. S. Government
- Economics
- History of Film
- Personal Financial Literacy
- Psychology
- Sociology

Social Studies Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | | |
|--|--|---|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 | |
| <input type="checkbox"/> World Geography/ MAPS | <input type="checkbox"/> Advanced World Geography/MAPS | |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology | |
| <input type="checkbox"/> Math _____ | | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Technology Application | <input type="checkbox"/> Fine Arts | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> PE | <input type="checkbox"/> NJROTC | <input type="checkbox"/> Athletics |
| | | <input type="checkbox"/> Marching Band |

Sophomore Year

- | | | |
|--|--|---|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 | |
| <input type="checkbox"/> World History | <input type="checkbox"/> Advanced World History | |
| <input type="checkbox"/> Lab Science | <input type="checkbox"/> Advanced Lab Science | |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) | |
| <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ | |
| <input type="checkbox"/> Professional Communication/elective | | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Elective _____ | | |

Junior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> AP US History | <input type="checkbox"/> DC US History |
| <input type="checkbox"/> 3 rd Science | <input type="checkbox"/> Advanced 3 rd Science | |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> Social Studies Elective _____ | | |
| <input type="checkbox"/> Elective _____ | | |
| <input type="checkbox"/> Elective _____ | | |

Senior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Govt/Economics | <input type="checkbox"/> DC Govt/DC Economics |
| <input type="checkbox"/> 4 th Science | <input type="checkbox"/> Advanced 4 th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> Elective _____ | | |
| <input type="checkbox"/> Elective _____ | | |
| <input type="checkbox"/> Elective _____ | | |

Education and Training Career Cluster

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

Teaching and Training Statewide Program of Study



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

Secondary Courses for High School Credit

Level 1

- Principles of Education and Training
- Principles of Human Service

Level 2

- Human Growth and Development
- Child Development

Level 3

- Instructional Practices

Level 4

- Practicum in Education and Training

Postsecondary Opportunities

Associates Degrees

- Teacher Education
- Education, General (or specific subject area)
- Special Education
- Health and Physical Education/Fitness

Bachelor's Degrees

- Bilingual and Multilingual Education
- Education, General (or specific subject area)
- Special Education
- Health and Physical Education/Fitness

Master's, Doctoral, and Professional Degrees

- Instruction and Learning
- Educational Leadership and Administration, General
- Special Education
- Social and Philosophical Foundations of Education

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in the 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

Industry-Based Certifications

- Educational Aide I



Aligned Occupations

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%

Successful completion of the Teaching and Training program of study will fulfill requirements of the Public Service endorsement Revised—August 2022



Teaching and Training Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | |
|--|--|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 |
| <input type="checkbox"/> World Geography/ MAPS | <input type="checkbox"/> Advanced World Geography/MAPS |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology |
| <input type="checkbox"/> Math _____ | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2nd Year Foreign Language |
| <input type="checkbox"/> Principles of Education and Training | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Fine Art course | <input type="checkbox"/> Technology Applications |
| | <input type="checkbox"/> Elective _____ |

Sophomore Year

- | | |
|--|--|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 |
| <input type="checkbox"/> World History | <input type="checkbox"/> Advanced World History |
| <input type="checkbox"/> Lab Science | <input type="checkbox"/> Advanced Lab Science |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) |
| <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Human Growth and Development | |
| <input type="checkbox"/> Professional Communication/elective | <input type="checkbox"/> Elective _____ |

Junior Year

- | | | |
|--|---|---|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> AP US History | <input type="checkbox"/> DC US History |
| <input type="checkbox"/> 3 rd Science | <input type="checkbox"/> Advanced 3 rd Science | |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> PE | <input type="checkbox"/> NJROTC | <input type="checkbox"/> Marching Band |
| <input type="checkbox"/> Athletics | | |
| <input type="checkbox"/> Instructional Practices (2 periods) | | |

Senior Year

- | | | |
|--|---|--|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Govt/Economics | <input type="checkbox"/> DC Government/Economics |
| <input type="checkbox"/> 4 th Science | <input type="checkbox"/> Advanced 4 th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> Elective _____ | | |
| <input type="checkbox"/> Practicum in Education and Training (2 periods) | | |

Hospitality and Tourism Career Cluster

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.

Travel, Tourism, and Attractions Statewide Program of Study



The Travel, Tourism, and Attractions program of study introduces CTE learners to occupations and educational opportunities in the marketing or sales of travel and tourism services. This program of study allows students to learn how to plan, direct, coordinate, or market marketing or business policies and programs, including identifying potential customers and determining demand and promotional strategies for products and services.

Secondary Courses for High School Credit

Level 1

- Principles of Hospitality and Tourism

Level 2

- Travel and Tourism Management
- Entrepreneurship

Level 3

- Global Business

Level 4

- Practicum in Entrepreneurship

Postsecondary Opportunities

Associates Degrees

- Tourism Management
- Business Administration and Management, General
- Tourism and Travel Services Management
- Tourism and Travel Services Marketing

Bachelor's Degrees

- Tourism Management
- Business Administration and Management, General
- Tourism Management
- Sport Event and Tourism Management

Master's, Doctoral, and Professional Degrees

- Tourism Management
- Business Administration and Management, General
- Recreation and Resources Development
- Recreation, Park, and Tourism Sciences

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in Family, Career, and Community Leaders of America, SkillsUSA, or the Texas Travel Industry Association

Work-Based Learning Activities

- Work at a local tourist attraction, theme park, or summer camp
- Volunteer at a local community event (fair or rodeo)

Industry-Based Certifications

- Certified Hospitality and Tourism and Management Professional
- Entrepreneurship and Small Business
- Travel and Tourism



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Advertising and Promotions Managers	\$94,515	164	20%
Fundraisers	\$54,850	875	21%
Market Research Analysts and Marketing Specialists	\$70,349	4,664	40%
Marketing Managers	\$144,269	1,297	32%

Successful completion of the Travel, Tourism and Attractions program of study will fulfill requirements of the Business and Industry endorsement Revised– August 2022



Travel, Tourism & Attractions Course Sequence

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

- | | |
|------------------------------------|--|
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Health |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Business Information Systems Management |
| <input type="checkbox"/> Spanish 1 | <input type="checkbox"/> Art 1 |
| <input type="checkbox"/> Spanish 2 | <input type="checkbox"/> Theatre Arts 1 |
| <input type="checkbox"/> Speech | <input type="checkbox"/> Other _____ |

Freshman Year

- | | |
|--|--|
| <input type="checkbox"/> English 1 | <input type="checkbox"/> Advanced English 1 |
| <input type="checkbox"/> World Geography/ MAPS | <input type="checkbox"/> Advanced World Geography/MAPS |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Advanced Biology |
| <input type="checkbox"/> Math _____ | |
| <input type="checkbox"/> 1 st Year Foreign Language | <input type="checkbox"/> 2nd Year Foreign Language |
| <input type="checkbox"/> Principles of Hospitality & Tourism | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Fine Art course | <input type="checkbox"/> Technology Applications |
| | <input type="checkbox"/> Elective _____ |

Sophomore Year

- | | |
|--|--|
| <input type="checkbox"/> English 2 | <input type="checkbox"/> Advanced English 2 |
| <input type="checkbox"/> World History | <input type="checkbox"/> Advanced World History |
| <input type="checkbox"/> Lab Science | <input type="checkbox"/> Advanced Lab Science |
| <input type="checkbox"/> Math (at the next level) | <input type="checkbox"/> Advanced Math (at the next level) |
| <input type="checkbox"/> 2 nd Year Foreign Language | <input type="checkbox"/> Elective _____ |
| <input type="checkbox"/> Travel & Tourism Management | |
| <input type="checkbox"/> Professional Communication/elective | <input type="checkbox"/> Elective _____ |

Junior Year

- | | | |
|---|---|---|
| <input type="checkbox"/> English 3 | <input type="checkbox"/> AP English 3 | <input type="checkbox"/> DC English 3 |
| <input type="checkbox"/> US History | <input type="checkbox"/> AP US History | <input type="checkbox"/> DC US History |
| <input type="checkbox"/> 3 rd Science | <input type="checkbox"/> Advanced 3 rd Science | |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC College Algebra |
| <input type="checkbox"/> PE | <input type="checkbox"/> NJROTC | <input type="checkbox"/> Marching Band |
| <input type="checkbox"/> Athletics | | |
| <input type="checkbox"/> Elective _____ | | |
| <input type="checkbox"/> Entrepreneurship (semester) / Global Business (semester) | | |

Senior Year

- | | | |
|--|---|--|
| <input type="checkbox"/> English 4 | <input type="checkbox"/> AP English 4 | <input type="checkbox"/> DC English 4 |
| <input type="checkbox"/> Government/Economics | <input type="checkbox"/> AP Govt/Economics | <input type="checkbox"/> DC Government/Economics |
| <input type="checkbox"/> 4 th Science | <input type="checkbox"/> Advanced 4 th Science | <input type="checkbox"/> DC Science |
| <input type="checkbox"/> Math | <input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC Math |
| <input type="checkbox"/> Elective _____ | | |
| <input type="checkbox"/> Practicum in Entrepreneurship (2 pds) | | |

Manufacturing Career Cluster

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

Welding Statewide Program of Study



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

Secondary Courses for High School Credit

Level 1

- Introduction to Welding

Level 2

- Welding I

Level 3

- Welding II/Lab

Level 4

- Practicum in Manufacturing

Postsecondary Opportunities

Associates Degrees

- Certified Welder or Welder Inspector
- Machine Shop Technology/Assistant
- Operations Management and Supervision
- Occupational Safety and Health Technology/Technician

Bachelor's Degrees

- Welding Engineering Technology/Technician
- Biomedical Technology/Technician
- Operations Management and Supervision
- Environmental Health

Master's, Doctoral, and Professional Degrees

- Welding Engineering Technology/Technician
- Occupational Health and Industrial Hygiene
- Operations Management and Supervision
- Environmental Health

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> • Participate and compete in SkillsUSA • Job shadow a machinist 	<ul style="list-style-type: none"> • Work in a local business or industry apprenticeship • Join the American Welding Society

Industry-Based Certifications

- API 1104 Welding Pipelines and Related Facilities
- AWS Certified Welder
- AWS D1.1 Structural Steel
- AWS D9.1 Sheet Metal Welding
- AWS SENSE Level 1: Entry Welder
- Industrial Technology Maintenance (ITM) Maintenance Welding
- NCCER Construction Technology Certification Level I
- NCCER Core
- NCCER Welding Level I
- Welding- Job Ready

- OSHA 30 Hour General*

*IBC sunseting 8/31/24



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Welders, Cutters, Solderers, and Brazers	\$41,350	6,171	9%
Welding Soldering and Brazing Machine Setters, Operators and Tenders	\$40,040	280	9%

Successful completion of the Welding program of study will fulfill requirements of the Business and Industry endorsement. Revised—August 2022



Welding Course Sequence

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

- | | |
|--|--|
| <input type="checkbox"/> Algebra 1
<input type="checkbox"/> Geometry
<input type="checkbox"/> Spanish 1
<input type="checkbox"/> Spanish 2
<input type="checkbox"/> Speech | <input type="checkbox"/> Health
<input type="checkbox"/> Business Information Systems Management
<input type="checkbox"/> Art 1
<input type="checkbox"/> Theatre Arts 1
<input type="checkbox"/> Other _____ |
|--|--|

Freshman Year

- | | | |
|--|--|---|
| <input type="checkbox"/> English 1
<input type="checkbox"/> World Geography/ MAPS
<input type="checkbox"/> Biology
<input type="checkbox"/> Math _____
<input type="checkbox"/> 1 st Year Foreign Language
<input type="checkbox"/> Technology Application
<input type="checkbox"/> Professional Communication/other elective | <input type="checkbox"/> Advanced English 1
<input type="checkbox"/> Advanced World Geography/MAPS
<input type="checkbox"/> Advanced Biology
<input type="checkbox"/> 2nd Year Foreign Language
<input type="checkbox"/> Fine Art _____
<input type="checkbox"/> Elective _____ | <input type="checkbox"/> Elective _____
<input type="checkbox"/> Elective _____
<input type="checkbox"/> Elective _____ |
|--|--|---|

Sophomore Year

- | | | |
|---|--|--|
| <input type="checkbox"/> English 2
<input type="checkbox"/> World History
<input type="checkbox"/> Lab Science
<input type="checkbox"/> Math (at the next level)
<input type="checkbox"/> 2 nd Year Foreign Language
<input type="checkbox"/> *CTC Principles of Construction/CTC Introduction to Welding (2 pds) | <input type="checkbox"/> Advanced English 2
<input type="checkbox"/> Advanced World History
<input type="checkbox"/> Advanced Lab Science
<input type="checkbox"/> Advanced Math (at the next level)
<input type="checkbox"/> Elective _____ | |
|---|--|--|

Junior Year

- | | | |
|--|---|--|
| <input type="checkbox"/> English 3
<input type="checkbox"/> US History
<input type="checkbox"/> 3 rd Science
<input type="checkbox"/> Math
<input type="checkbox"/> PE
<input type="checkbox"/> *CTC Welding I (2 pds) | <input type="checkbox"/> AP English 3
<input type="checkbox"/> AP US History
<input type="checkbox"/> Advanced 3 rd Science
<input type="checkbox"/> Advanced Math
<input type="checkbox"/> Athletics
<input type="checkbox"/> NJROTC | <input type="checkbox"/> DC English 3
<input type="checkbox"/> DC US History
<input type="checkbox"/> DC College Algebra
<input type="checkbox"/> Marching Band |
|--|---|--|

Senior Year

- | | | |
|--|--|--|
| <input type="checkbox"/> English 4
<input type="checkbox"/> Government/Economics
<input type="checkbox"/> 4 th Science
<input type="checkbox"/> Math for Tech
<input type="checkbox"/> Elective _____
<input type="checkbox"/> *CTC Welding II (2 pds) | <input type="checkbox"/> AP English 4
<input type="checkbox"/> AP Govt/Economics
<input type="checkbox"/> Advanced 4 th Science
<input type="checkbox"/> Advanced Math | <input type="checkbox"/> DC English 4
<input type="checkbox"/> DC Government/Economics
<input type="checkbox"/> DC Science
<input type="checkbox"/> DC Math |
|--|--|--|

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

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 or OnRamps 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
 - DANCE IV
 - DEBATE III
 - GIS III
 - PRACTICUM IN ENTREPRENEURSHIP
 - PRACTICUM IN HEALTH SCIENCE I AND II
 - PRACTICUM IN TRANSPORTATION SYSTEMS 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 2023-2024

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

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 students once each semester. The exam fee is \$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.



DEL MAR COLLEGE

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. 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 CTE course tuition will be paid by Flour Bluff I.S.D. for courses taken during the regular academic year. 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-so they may keep them after the course is complete. **Students will need to purchase uniforms, shoes, licenses, and supplies 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.**



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 a variety of dual enrollment courses.

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.

Exit Procedure for OnRamps: *Prior to the census date*, any request to exit an OnRamps 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 OnRamps 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 census date*, students will be required to stay in the class until the end of the semester.



**Dual Credit Courses Offered Through
Texas A & M University-Corpus Christi
Islander Academy Program
2023-2024
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
2023-2024
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

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

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

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
2023-2024**



Subject to updates by Flour Bluff ISD or Del Mar College

Business & Industry Endorsement

Agriculture, Food, and Natural Resources

- Process Technology

Architecture and Construction

- Architecture (Associate in Science transfers to Texas Tech University)
- 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

- Welding

Transportation, Distribution, and Logistics

- Automotive/Auto Body Technology
- Non-Destructive Testing

Public Services Endorsement

Health Science Cluster

- Emergency Medical Technician

Human Services

- Cosmetology
- Psychology

Law, Public Safety, Corrections, and Security

- Criminal Justice
- Firefighter

***Science, Technology, Engineering,
and Math Endorsement***

**Science, Technology, Engineering, and
Mathematics**

- Biotechnology
- Engineering-Variety 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 and 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 III or 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

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 (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 (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

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

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 (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
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 (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 (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 (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.

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

Spanish I-IV
Advanced Spanish I
Advanced Spanish II
Spanish III
Dual Credit Spanish III

French I-III

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

One Credit (Grade Weighted)

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

One Credit (Grade Weighted)

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.

SPANISH III

One Credit (Grade Weighted)

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.

DUAL CREDIT SPANISH III

One Credit (Grade Weighted)

Eligibility Required

Prerequisite: Spanish I & II

Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**

SPAN 1411 & 1412 (Del Mar College only)

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 develop 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

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

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, and Math Models OR Algebra 2

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.**
MATH 1314

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

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 normal); 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 (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 (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 I

Forensic Science II

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 I - 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

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

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

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

PRINCIPLES OF TECHNOLOGY

One Credit

Recommended Prerequisite: Chemistry, Alg 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

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

TAMUCC: GEOL 1403 and PHYS 1304

FORENSIC SCIENCE I

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.

FORENSIC SCIENCE II

One Credit

Prerequisites: Biology, Chemistry, and Forensic Science I

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
Dual Credit Special Topics in Social Studies – State Government
Methodology for Academic and Personal Success (MAPS) – required for all 9th graders attending FBHS

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

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)

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 - U.S. Government

GOVT 2305 WILL SATISFY THE GRADUATION REQUIREMENT FOR GOVERNMENT.

DUAL CREDIT SPECIAL TOPICS IN SOCIAL STUDIES

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 2306 - State 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 - Macroeconomics

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

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

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

Lifetime Fitness and Wellness Pursuits (PE Year 1)
Lifetime Recreation and Outdoor Pursuits (PE Year 2)
Skill-Based Activities (PE Year 3)
Dual Credit Introduction to Physical Fitness and Wellness

Athletics
Athletic Trainer
Cheerleading
Dance 1
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
Peer Assistance and Leadership I-II

Lifetime Fitness and Wellness Pursuits

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.

Lifetime Recreation and Outdoor Pursuits

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.

Skill-Based Lifetime Activities

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.

DANCE I

One-half to One Credit toward PE equivalency

See Fine Arts Course Descriptions

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.

Peer Assistance for Students with Disabilities I-II**One-half credit****Grades: 11-12**

Designed to promote meaningful social inclusion and create accepting school environments. Students with disabilities are given a space to develop confidence, foster independence and improve their social skills through their interactions with their non-disable peers. Peer assistants obtain initial training in confidentiality cueing, prompting and positive reinforcement to be used with the students with special needs that they will be working with. With the guidance of their peer assistants, disabled students can discover new strengths and abilities that help them find joy and fulfillment. Likewise, peer assistants experience growth in their understanding and empathy that carries outside the classroom. In this inclusive environment, students will create a relationship among age-appropriate peers of different abilities, both socially and academically, that will last long beyond the classroom time.

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

Choir Bass Choir I-IV
Choir Treble Junior Varsity I-IV
Choir Treble Varsity I-IV
Choral Vocal Ensemble I-IV

Dance I
Dance II
Dance III
Dance IV

Music I-IV Band
Music I-IV Instrumental Ensemble
Music I-IV Jazz Ensemble
Music II-III Band Junior Varsity
Music Band Color Guard/Winter Guard
Dual Credit Music Appreciation

Theatre Arts I-IV
Technical Theatre I-IV
Theatre Production I
Dual Credit Theater

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 I 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: FOUNDATIONS 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

CHOIR BASS I - IV

One Credit Per Year

Level IV is Grade Weighted

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.

CHOIR TREBLE JUNIOR VARSITY 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.

CHOIR TREBLE VARSITY 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 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.

CHOIR VOCAL ENSEMBLE 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.

DANCE I

One Credit

May count as a PE equivalency OR a Fine Art

Students will learn fundamental movement, vocabulary, and history of many styles of dance. Students will have the opportunity to create their own moments by exploring basic to advanced choreography. The goal of this class is to promote interest in dance and in physical fitness.

DANCE II-IV

One credit Per Year

Level IV is Grade Weighted

Courses must be taken in sequence.

Students will learn fundamental movement, vocabulary, and history of many styles of dance. Students will have the opportunity to create their own moments by exploring basic to advanced choreography. The goal of this

class is to promote interest in dance and in physical fitness.

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.

MUSIC I-III BAND JUNIOR VARSITY

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.

MUSIC 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.

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

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

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 (Del Mar College)

THEA 1310 (TAMUCC)

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

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

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, nor are they included in GPA and Rank.*

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 & Technology Education Courses

Note: Tuition and fees may apply for Dual Credit courses.

Architecture & Construction **Career Cluster**

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.

Business, Marketing & Finance **Career Cluster**

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.

GLOBAL BUSINESS

One-half Credit

Grades: 10-12

Prerequisite: Principles of Business or Principles of Hospitality & Tourism

Global Business is designed for students to analyze global trade theories, international monetary systems, trade policies, politics, and laws relating to global business, as well as cultural issues, logistics, and international human resource management.

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.

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.

Education & Training

Career Cluster

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 Science Career Cluster

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

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. (Second 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

Hospitality & Tourism

Career Cluster

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

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

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.

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.

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.

PRINCIPLES OF HOSPITALITY & TOURISM

One Credit – semester course

Grades: 9-12

Principles of Hospitality and Tourism introduces students to an industry that encompasses lodging, travel and tourism, recreation, amusements,

attractions, and food/beverage operations. Students learn knowledge and skills focusing on communication, time management, and customer service that meet industry standards. Students will explore the history of the hospitality and tourism industry and examine characteristics needed for success in that industry.

TRAVEL & TOURISM MANAGEMENT

One Credit

Grades: 10-12

Prerequisite: Principles of Hospitality & Tourism

Travel and Tourism Management incorporates management principles and procedures of the travel and tourism industry as well as destination geography, airlines, international travel, cruising, travel by rail, lodging, recreation, amusements, attractions, and resorts.

PRACTICUM IN ENTREPRENEURSHIP

Two Credits

Grades: 11-12 (Grade Weighted)

The Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, while expanding their skill sets and professional relationships as a real or simulated business owner versus the experience one would have as an employee. Students will prepare for an entrepreneurial career in their area of interest in their career cluster and build on and apply the knowledge and skills gained from courses taken in an array of career areas. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of the student's need for work-based learning experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. It is recommended that students are paired with local business owners or employers in their specific industry program of study

Human Services

Career Cluster

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.

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

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

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

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

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

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**

Law & Public Service

Career Cluster

FIREFIGHTER 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

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

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.

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

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

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

CRIJ 1313 Juvenile Justice System

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

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

CRIJ 2328 Police Systems and Practices

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)

Engineering Career Cluster

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

Manufacturing Career Cluster

INTRODUCTION TO WELDING (Craft Training Center)

One 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 Credit; Spring Semester

Grades: 10-12

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

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

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

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

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.

Transportation, Distribution, **and Logistics Career Cluster**

AUTOMOTIVE TECHNOLOGY I (DUAL CREDIT)

One Credit per semester (Grade Weighted)
Grades: 10-12

Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**

AUMT 1405 & 1407

AUTOMOTIVE TECHNOLOGY II (DUAL CREDIT)

One Credit per semester (Grade Weighted)
Grades: 10-12

Prerequisite: Automotive Tech I

Students must complete all college registration requirements. **Students are expected to pay all required fees and/or tuition.**

AUMT 1410 & 1316

INTRODUCTION TO AEROSPACE & AVIATION

One Credit per semester
Grades: 10-12

This course will provide the foundation for advanced exploration in the areas of professional pilot, aerospace engineering, and unmanned aircraft

systems. Students will learn about the history of aviation, from Leonardo da Vinci's ideas about flight to the Wright brothers and the space race. Along the way students will learn about the innovations and technological developments that have made today's aviation and aerospace industries possible. The course includes engineering practices, the design process, aircraft structure, space vehicles past and present, and a look toward future space exploration. Students will also learn about the wide variety of exciting and rewarding careers available to them.

INTRODUCTION TO UNMANNED AERIAL VEHICLE FLIGHT

One Credit per semester

Grades: 10-12

Prerequisite: Algebra 1

The Introduction to Unmanned Aerial Vehicle (UAV) Flight course is designed to prepare students for entry-level employment or continuing education in piloting UAV operations. Principles of UAV is designed to instruct students in UAV flight navigation, industry laws and regulations, and safety regulations. Students are also exposed to mission planning procedures, environmental factors, and human factors involved in the UAV industry.

PRACTICUM IN TRANSPORTATION SYSTEMS I

Two Credits (Grade Weighted)

Grades: 11-12

Prerequisite: Intro to Unmanned Aerial Vehicle Flight and Aerospace Engineering

Practicum in Transportation Systems is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories.

PRACTICUM IN TRANSPORTATION SYSTEMS II

Two Credits (Grade Weighted)

Grades: 12

Prerequisite: Practicum in Transportation Sys I

Practicum in Transportation Systems is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories.

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.



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 required 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>

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.

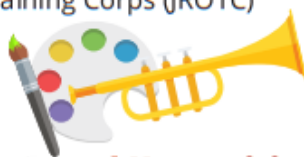


Public Service

(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.

Texas Education Agency Graduation Toolkit



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.

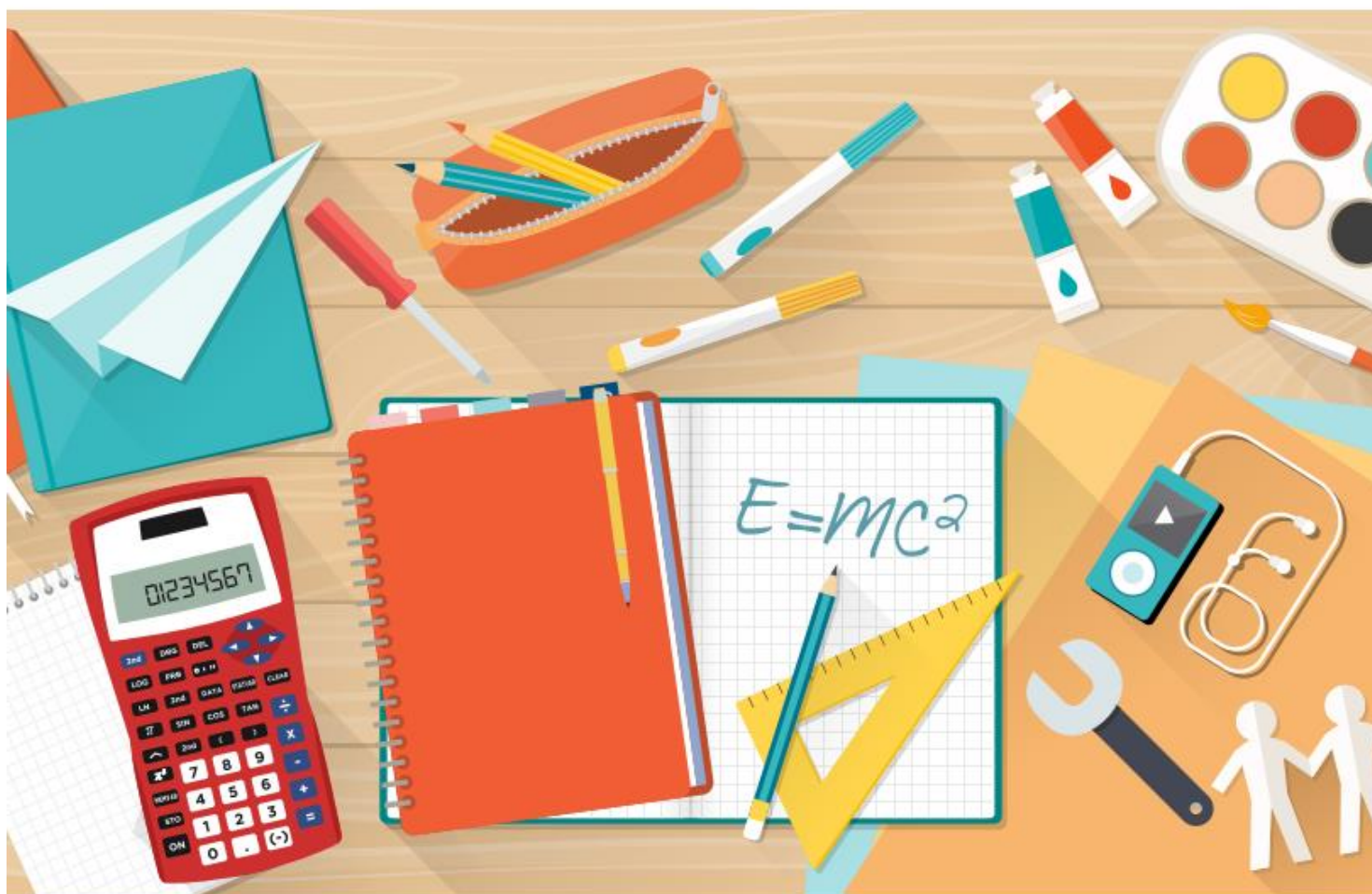
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Performance Acknowledgments

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



Texas Education Agency Graduation Toolkit

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.

Texas Education Agency Graduation Toolkit

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.

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



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 & CAREER RESOURCES

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.texasotjobs.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/flourbluffschoools.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.cbcbfoundation.org - Coastal Bend Community Foundation scholarship application

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 **College & Career Center**, located in Room 501.

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 INFORMACION TRADUCIDA, UNA EXPLICACION, LETRA GRANDE O CUALQUIER OTRA FORMA DE AYUDA, LLAME MOLLY PARKER at 694-9198.