



TEXAS CITY ISD
2022- 2023
HIGH SCHOOL COURSE
PLANNING GUIDE

Texas City Independent School District

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Introduction

This handbook has been prepared to assist students, parents, and/or guardians in the planning of the student's high school education. It is designed to introduce the graduation requirements and present a list of the courses available. For each course, the handbook includes the following: grade levels approved for the course, number of credits, pre-requisites or co-requisites, and recommendations. The administration and counseling staff in TCISD invite you to utilize this handbook in your planning and to feel free to contact the counseling staff if you need assistance. It is very important for students and parents to read and understand the guidelines and regulations set forth in this book. The decisions made during the registration process will affect each student's entire **2022-2023 school year**. Careful and thoughtful planning should be done when making these decisions. This material is published early in the preceding school year, so some changes in procedure, policy, or course offerings may be required.

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

Portrait of a TCISD Graduate

PORTRAIT of a GRADUATE



READY FOR COLLEGE. CAREER. LIFE.

TCISD Beliefs and Mission



OUR BELIEFS

- Every decision should be based upon what is best for students.
- All stakeholders should be treated with respect.
- Cultural diversity should be embraced.
- High expectations should be maintained for all employees and students.
- District employees should take time to know and understand students and colleagues.
- High quality instruction should be delivered in an engaging manner.
- All students should have opportunities to explore and develop their unique traits.
- Each Texas City ISD graduate should be college and/or career ready.
- All TCISD graduation pathways are worthy and deserving of respect.
- Implementation of quality research-based professional development will improve student learning.
- All district personnel have a moral obligation to create, maintain and support a learning environment that is academically, emotionally and physically safe.
- Shared leadership and collaboration are essential for our success.

OUR MISSION

We will prepare our students to reach their full potential and excel in their chosen paths.

Board approved October 13, 2020



Planning Your High School Program



Planning a four-year high school program is a serious undertaking. Although many of your courses will be determined by the graduation plan you select, you will still have many other choices to make during your years of school. The courses you select will be guided largely by your plans for the future. Will you continue your education in college or in a trade or technical school? Do you want to learn a career skill in order to enter the full-time work force immediately after school? Are you interested in a technical field? Are you thinking of entering a profession that requires many years of specialized education? The answers to these questions are extremely important for making decisions about your course selections for all four years in high school. Your interests and abilities should also guide these answers.

Some students are sure of their future plans; others are still deciding. It is also common for young people to change their minds about which career to choose. **For this reason, it is important for you to plan as challenging a program as you can. If your career plans should change, then it will not be as difficult to move into another program.** While it may sometimes seem tempting to schedule a less demanding combination of courses, choosing courses that meet your needs or interests is the best way to prepare for your future.

TCISD offers you many ways to prepare for a productive adult life—to make certain that you can control your future. The district's high schools provide a wide range of programs that prepare students for post-high school experiences: college, business school, technical school, military service, fine arts participation, full-time employment, and other areas. **The programs offered allow a student to choose the high school program best for him/her, whether that program is the traditional college preparatory, tech-prep, or career preparatory program. Outlined on the following pages are the graduation requirements for each of the state's possible graduation programs.**

Immediately following the presentation of possible graduation plans is an **important section** of this educational planning guide: **career pathways to assist you in preparing an individual academic and career plan.** This section of the guide explains future career options in terms of your interest areas and suggests courses and activities that will help you arrive at your goal in life.

Next are descriptions of all courses offered, with accompanying information about prerequisites and grade level placement. Following that section are practical suggestions for planning your high school course of studies, considerations for career planning, a checklist for a college planning timeline, and information about other post-high school options. We strongly urge you to give the attention to planning for high school that its importance deserves. **By planning wisely, you can create the future that is most appropriate for you.**

State Graduation Requirements

As enacted by the 83rd Texas Legislature and the approval of the State Board of Education, **House Bill 5 (HB5)** created the new Foundation High School Program (FHSP), FHSP w/Endorsements and Distinguished Level of Achievement Diplomas. Each plan requires at least twenty-two (22) state credits for graduation. Additional requirements as listed below must be satisfied to graduate with the FHSP w/Endorsements or Distinguished Level of Achievement Diploma;

- **FHSP = 22 state credits**
 - 4 English/Language Arts (ELA I, II, III AND fourth English)
 - 3 Mathematics (Algebra I, Geometry AND third Math)
 - 3 Social Studies (World Geography or World History, US History AND Government/Economics)
 - 3 Science (Biology AND IPC, Chemistry or Physics AND Additional Science Elective)
 - 2 Foreign Languages (Spanish or French)
 - 1 Fine Arts
 - 1 Physical Education
 - 5 Electives
- **FHSP w/Endorsements = 22 state credits + 4 credits from a specified Endorsement Pathway**
 - Foundation + Endorsement Diploma = A student shall specify in writing an endorsement the student intends to earn upon entering Grade 9; however, a district shall permit a student to enroll in courses under more than one endorsement before the student's junior year and to choose, at any time, to earn an endorsement other than the endorsement the student previously indicated.
 - Endorsement Pathways include: (ALL Endorsement Pathways are outlined below)
 - Arts & Humanities,
 - Business & Industry,
 - Multidisciplinary Studies,
 - Public Services and Science,
 - Technology, Engineering & Mathematics (STEM) –
 - Distinguished Level of Achievement Diploma = 22 state credits + 4 credits from a specified Endorsement Pathway AND one of the mathematics credits earned towards the diploma **MUST** be Algebra 2. *Students must complete the Distinguished Level of Achievement Diploma option to be eligible for top 10% designation.*

A student may graduate under the FHSP without earning an endorsement if, after the student's sophomore year:

- (1) the student and the student's parent or person standing in parental relation to the student are advised by a school counselor of the specific benefits of graduating from high school with one or more endorsements; and
- (2) the student's parent or person standing in parental relation to the student files with a school counselor written permission, on a form adopted by the agency, allowing the student to graduate under the foundation high school program without earning an endorsement.

Local Graduation Requirements

TCISD will require all incoming 9th grade students to have a Technology local credit added to the graduation requirements. Students must complete and successfully receive one credit in Business Information Management I (BIM I) before graduation. Students that transfer from another ISD to TCISD during their senior year will be exempt. Grades will be included in the students Grade Point Average (GPA) for graduation and class rank purposes. Students could count BIM I as one of their electives or as part of their Business Management Program of Study.

Foundation Plan (22 Credits):

- 4 English/Language Arts (ELA I, II, III and 4th English)
- 3 Mathematics (Algebra I, Geometry and 3rd Math)
- 3 Social Studies (World Geography or World History, US History and Government/Economics)
- 3 Science (Biology and IPC, Chemistry or Physics and Additional Science Elective)
- 2 Foreign Languages (Spanish)
- 1 Fine Arts
- 1 Physical Education
- 1 Business Information Management I
- 4 Electives

Foundation High School Plan with an Endorsement (26 Credits):

- All the above requirements for 22 Credits
- 4 Credits from a specified Endorsement Program of Study

Student Classification

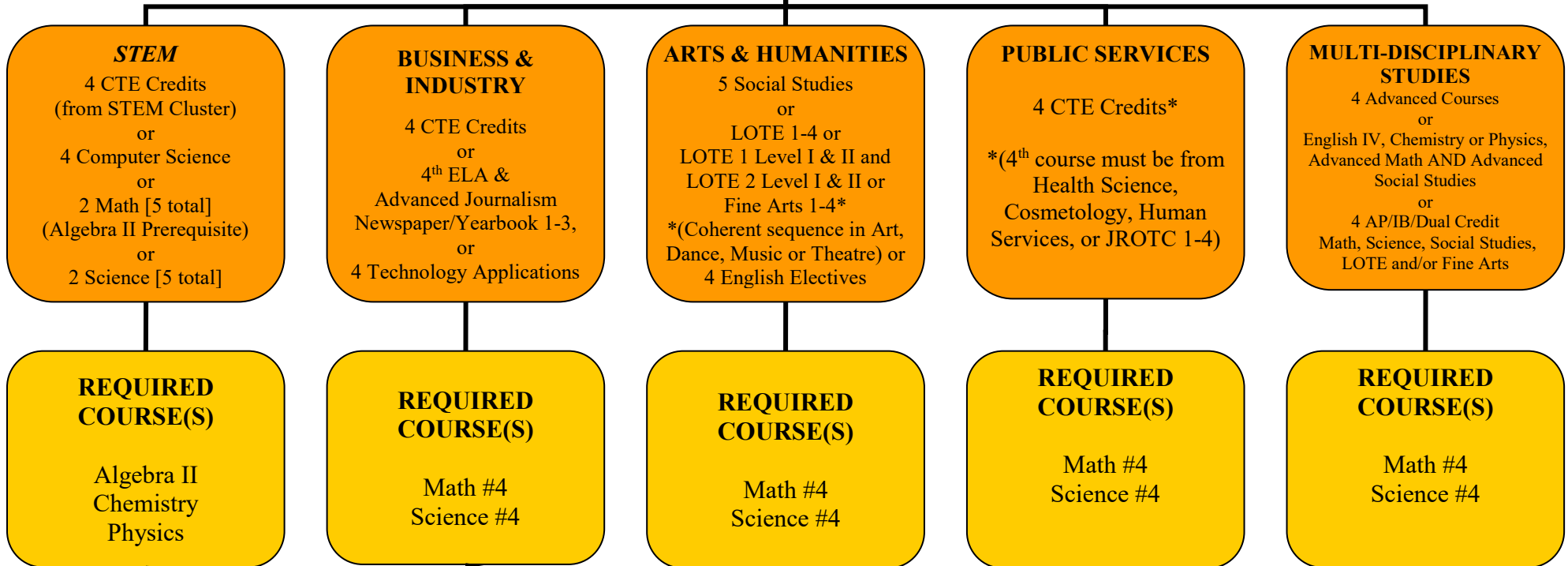
<i>Freshman</i>	<i>Sophomore</i>	<i>Junior</i>	<i>Senior</i>
0 – 5.5	6 – 11.5	12+	19+

Students must complete the required number of credits to be reclassified to the next grade level. Students will be promoted or retained at the end of each school year.

Graduation Requirements Flowchart (HB5)

DISTINGUISHED

Eligible for Top 10% Automatic Admission & MUST take Algebra II



ENDORSEMENT OPTIONS - 26 CREDITS

(Students may pursue one of the 5 Endorsement Options by following the path as outlined above.)

FOUNDATION – 22 CREDITS

- 4 English/Language Arts** (ELA I, II, III and 4th English)
- 3 Mathematics** (Algebra I, Geometry and 3rd Math)
- 3 Social Studies** (World Geography or World History, US History and Government/Economics)
- 3 Science** (Biology and IPC, Chemistry or Physics and Additional Science Elective)
- 2 Foreign Languages** (Spanish)
- 1 Fine Arts; 1 Physical Education; 5 Electives**

Graduation Requirements Side-by-Side (HB5)

Additional State-approved courses not offered in TCISD may be accepted for transfer credit upon evaluation of the student's transcript.
Students who wish to graduate on the Foundation High School Plan must obtain approval in accordance with House Bill 5.

<i>DISCIPLINE</i>	<i>FOUNDATION HIGH SCHOOL PROGRAM (FHSP) STAAR/EOC (see page 50)</i>	<i>CREDITS</i>	<i>ENDORSEMENTS OPTIONS STAAR/EOC (see page 50)</i>	<i>CREDITS</i>	<i>DISTINGUISHED LEVEL OF ACHIEVEMENT Eligible for Top 10% Automatic College Admission STAAR/EOC (see page 50)</i>	<i>CREDITS</i>
<i>English/ Language Arts</i>	<i>English I, II, III, and one full credit or a combination of two half credits selected from the following: English IV; IS in English; Debate III; IS in Journalism; AP English Literature & Composition; Communication Applications (1/2 credit); Advanced Journalism Newspaper or Yearbook III; or Dual Credit English</i>	4.0	<i>Credits earned from the FHSP (unless specified as an Endorsement requirement).</i>	4.0	<i>Credits earned from the FHSP (unless specified as an Endorsement requirement).</i>	4.0
<i>Mathematics</i>	<i>Algebra I, Geometry, and one full credit or a combination of two half credits selected from the following: Algebra II; Algebraic Reasoning, Math Models with Applications; Advanced Robotics Programming and Design IB or Dual Credit Mathematics.</i>	3.0	<i>Credits earned from the FHSP and one full credit or a combination of two half credits selected from the following (unless specified as an Endorsement requirement): Algebra II, Algebraic Reasoning Pre-Calculus, Math Models with Applications; IS in Mathematics; AP Calculus AB (w/Pre-Calculus prerequisite); Engineering Mathematics; Advanced Robotics Programming and Design IB or Dual Credit Mathematics.</i>	4.0	<i>Credits earned from the FHSP, including Algebra II, and one full credit or a combination of two half credits selected from the following: Pre-Calculus, Algebraic Reasoning, Math Models with Applications; IS in Mathematics; AP Calculus AB (w/Pre-Calculus prerequisite); Engineering Mathematics; Advanced Robotics Programming and Design IB or Dual Credit Mathematics.</i>	4.0

THE FHSP, THE FHSP WITH ENDORSEMENTS AND THE DISTINGUISHED LEVEL OF ACHIEVEMENT ARE REQUIRED GRADUATION PLAN OPTIONS FOR ALL STUDENTS WHO ENTER HIGH SCHOOL IN AUGUST 2014. THESE GRADUATION PLAN OPTIONS ARE AVAILABLE TO ALL STUDENTS WHO ENTERED HIGH SCHOOL PRIOR TO AUGUST 2014.

Science	<p><i>Biology, one full credit selected from the following: IPC, Chemistry, or Physics; And one full credit selected from the following: Chemistry, Physics, Aquatic Science, Astronomy; Environmental Systems; AP Biology; AP Chemistry; AP Physics 1; AP Physics 2; Advanced Animal Science; Advanced Plant & Soil Science; Anatomy & Physiology; Forensic Science; Medical Microbiology; Pathophysiology; Advanced Biotechnology; Engineering Design & Problem Solving; Robotics Programming and Design I & II; or Dual Credit Science.</i></p>	3.0	<p><i>Credits earned from the FHSP and one full credit or a combination of two half credits selected from the following (unless specified as an Endorsement requirement): Chemistry, Physics, Aquatic Science, Astronomy; Environmental Systems; AP Biology; AP Chemistry; AP Physics 1; AP Physics 2; Advanced Animal Science; Advanced Plant & Soil Science; Anatomy & Physiology; Forensic Science; Medical Microbiology; Pathophysiology; Advanced Biotechnology; Engineering Design & Problem Solving; Robotics Programming and Design I & II; or Dual Credit Science.</i></p>	4.0	<p><i>Credits earned from the FHSP and one full credit or a combination of two half credits selected from the following (unless specified as an Endorsement requirement): Chemistry, Physics, Aquatic Science, Astronomy; Environmental Systems; AP Biology; AP Chemistry; AP Physics 1; AP Physics 2; Advanced Animal Science; Advanced Plant & Soil Science; Anatomy & Physiology; Forensic Science; Medical Microbiology; Pathophysiology; Advanced Biotechnology; Engineering Design & Problem Solving; Robotics Programming and Design I & II; or Dual Credit Science.</i></p>	4.0
Social Studies	<p><i>U.S. History Studies, U.S. Government, Economics (Emphasis on the free enterprise system), and one full credit selected from the following: World History Studies or World Geography Studies.</i></p>	3.0	<p><i>Credits earned from the FHSP (unless specified as an Endorsement requirement).</i></p>	3.0	<p><i>Credits earned from the FHSP (unless specified as an Endorsement requirement).</i></p>	3.0
Languages Other Than English	<p><i>Two levels in the same language selected from Spanish, French or TxVSN (American Sign Language, Chinese, German, Latin, Russian)</i></p>	2.0	<p><i>Credits earned from the FHSP (unless specified as an Endorsement requirement).</i></p>	2.0	<p><i>Credits earned from the FHSP (unless specified as an Endorsement requirement).</i></p>	2.0
Physical Education	<p><i>Foundations of Personal Fitness; Aerobic Activities; Team Sports; Individual Sports; PE Substitutions (Athletics;</i></p>	1.0	<p><i>Credits earned from the FHSP.</i></p>	1.0	<p><i>Credits earned from the FHSP.</i></p>	1.0

	<i>JROTC; Drill Team; Marching Band; and Cheerleading).</i>					
<i>Fine Arts</i>	<i>Art; Band; Choir; Dance; Theatre; or Principles and Elements of Floral Design.</i>	<i>1.0</i>	<i>Credits earned from the FHSP.</i>	<i>1.0</i>	<i>Credits earned from the FHSP.</i>	<i>1.0</i>
<i>Elective Courses</i>		<i>5.0</i>	<i>Credits earned from the FHSP and meeting required elective requirements for an option of a chosen Endorsement Pathway.</i>	<i>7.0</i>	<i>Credits earned from the FHSP and meeting required elective requirements for an option of a chosen Endorsement Pathway.</i>	<i>7.0</i>
<i>Total Credits</i>		<i>22.0</i>		<i>26.0</i>		<i>26.0</i>

Endorsement Pathways (HB5)

ENDORSEMENTS	CURRICULUM REQUIREMENTS
<p>A student may earn one of the following endorsements by successfully completing the FHSP and curriculum requirements of the corresponding endorsement.</p>	<p>*A school district may determine a coherent sequence of courses for an endorsement area, provided that the prerequisites are followed.</p>
<p>Science, Technology, Engineering & Mathematics (STEM)</p> <p>Includes courses directly related to: Science; Technology; Engineering; and Advanced Mathematics.</p>	<p>Students must complete Algebra II, Chemistry, Physics, and one of the following options for the STEM Endorsement:</p> <ul style="list-style-type: none"> (A) A coherent sequence* of courses for four (4) or more credits in Career & Technical Education (CTE) that includes at least two (2) courses in the same career cluster including and at least one (1) advanced CTE course. The final course in the sequence must be selected from one of the following CTE career cluster(s): <ul style="list-style-type: none"> (i) Science, Technology, Engineering & Mathematics (STEM); (B) A coherent sequence of four (4) credits in computer science; or (C) Three (3) credits in mathematics by successfully completing Algebra II and two (2) additional mathematics courses for which Algebra II is a prerequisite; or (D) Four (4) credits in science by successfully completing Biology, Chemistry, Physics and two (2) additional science courses. (E) In addition to Algebra II, Physics and Chemistry, a coherent sequence of three (3) additional credits from no more than two (2) of the categories or disciplines from the STEM cluster, Computer Science, math or science.
<p>Business & Industry</p> <p>Includes courses directly related to: Database Management; Information Technology; Communications; Accounting; Finance; Marketing; Graphic Design; Architecture; Construction; Welding; Logistics; Automotive Technology; Agricultural Science; and HVAC.</p>	<p>Students must complete one of the following options for the Business & Industry Endorsement:</p> <ul style="list-style-type: none"> (A) A coherent sequence* of courses for four (4) or more credits in CTE that consists of at least two (2) courses in the same career cluster including at least one (1) advanced CTE course, which includes any course that is the third or higher course in a sequence. The final course in the sequence must be obtained from one of the following CTE career clusters: <ul style="list-style-type: none"> (i) Agriculture, Food, & Natural Resources; or (ii) Architecture & Construction; or (iii) Arts, Audio/Visual Technology, & Communications; or (iv) Business Management & Administration; or (v) Finance; or (vi) Hospitality & Tourism; or (vii) Information Technology; or (viii) Manufacturing; or (x) Transportation, Distribution, & Logistics; or (B) Four (4) English elective courses to include three levels in one of the following areas: <ul style="list-style-type: none"> (i) Advanced Broadcast Journalism; or Advanced Journalism Newspaper/Yearbook; or Public Speaking; or Debate. (C) Four (4) technology applications credits

<p style="text-align: center;">Public Services</p> <p style="text-align: center;">Includes courses directly related to: Health sciences and occupations; Education and Training; Law Enforcement; Culinary Arts; Cosmetology and Hospitality.</p>	<p>Students must complete one of the following options for the Public Services Endorsement:</p> <p>(A) A coherent sequence* of courses for four (4) or more credits in Career & Technical Education (CTE) that includes at least two (2) courses in the same career cluster including and at least one (1) advanced CTE course. The final course in the sequence must be selected from one of the following CTE career clusters:</p> <ul style="list-style-type: none"> (i) Education & Training; or (ii) Government & Public Administration; or (iii) Health Science; or (iv) Human Services; or (v) Law, Public Safety, Corrections, & Securities; or <p>(B) Four (4) courses in Junior Reserve Officer Training Corps (JROTC).</p>
<p style="text-align: center;">Arts & Humanities</p> <p style="text-align: center;">Includes courses directly related to: Political Science; Languages Other Than English; Cultural Studies; English Literature; History; Fine Arts</p>	<p>A student pursuing an Arts & Humanities endorsement who has the written permission of the student's parent may substitute the fourth science credit with an elective credit selected from English Language Arts, Social Studies, Languages Other Than English, or Fine Arts.</p> <p>Students must complete one of the following options for the Arts & Humanities Endorsement:</p> <ul style="list-style-type: none"> (A) Five (5) Social Studies courses; or (B) Four (4) levels of the same language in a Language Other than English**; or (C) Two (2) levels of the same language in a language other than English and two (2) levels of a different language in a language other than English**; or (D) Four (4) levels of American Sign Language (ASL); or (E) A coherent sequence* of four courses from one or two categories or disciplines in Fine Arts (Art; or Band; or Choir; or Dance; or Theatre); or (F) Four (4) English elective credits. <p>** <i>LOTE options include Spanish and French (on Campus) or American Sign Language (ASL), Chinese, German, Latin and Russian via Texas Virtual School Network (TxVSN).</i></p>
<p style="text-align: center;">Multidisciplinary Studies</p> <p style="text-align: center;">Allows a student to select courses from the curriculum of each endorsement area and earn credits in a variety of advanced courses from multiple content areas sufficient to complete the distinguished level of achievement</p>	<p>Students must complete one of the following options for the Multidisciplinary Studies Endorsement:</p> <ul style="list-style-type: none"> (A) Four (4) advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence; or (B) Four (4) credits in each of the four foundation subject areas to include English IV and Chemistry and/or Physics; or (C) Four (4) credits in Advanced Placement or Dual Credit courses selected from English Language Arts, Mathematics, Science, Social Studies, Languages Other Than English, or Fine Arts.

Performance Acknowledgements (HB5)

(Applicable for students graduating under HB5)

Students may earn performance acknowledgments on the student's Academic Achievement Record or transcript for the following:

1. Outstanding performance in **Dual Credit** coursework by successfully completing:
 - a. At least 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum, and advanced technical credit courses, including locally articulated courses, with a grade of the equivalent of 3.0 or higher; or
 - b. An associate degree while in high school.
2. Outstanding performance in **Bilingualism and Biliteracy**:
 - a. A student may earn a performance acknowledgment by demonstrating proficiency in two or more languages by:
 - i. Completing all English Language Arts requirements and maintaining a minimum GPA equivalent to an 80; and
 - ii. Satisfying one of the following:
 1. Completion of a minimum of three credits in the same language in a Language Other Than English with a minimum GPA equivalent to an 80; or
 2. Demonstrated proficiency in the TEKS for level IV or higher in a Language Other Than English with a minimum GPA equivalent to an 80; or
 3. Completion of at least three credits in foundation subject area courses in a Language Other Than English with a minimum GPA equivalent to an 80; or
 4. Demonstrated proficiency in one or more Languages Other Than English through one of the following methods:
 - a. Score 3 or higher on an Advanced Placement exam for a Language Other Than English; or
 - b. Score 4 or higher on an International Baccalaureate exam for a higher-level Languages Other Than English course; or
 - c. Performance on a national assessment of language proficiency in a Language Other Than English of at least Intermediate High or its equivalent.
 - b. In addition to meeting the requirements of the above subsection, to earn a performance acknowledgment in bilingualism and biliteracy, an English language learner must also have:
 - i. Participated in and met the exit criteria for a bilingual or ESL program; and
 - ii. Scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS).
3. Outstanding performance on a college **Advanced Placement test** or **International Baccalaureate examination** by earning:
 - a. A score of three (3) or above on a College Board Advanced Placement examination; or
 - b. A score of four (4) or above on an International Baccalaureate examination.
4. Outstanding performance on the **PSAT**, the **ACT-Plan**, the **SAT**, or the **ACT** by:
 - a. A score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, as part of the National Hispanic Recognition Program (NHRP) of the College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation; or

- b. Achieving the college readiness benchmark score on at least two of the four subject tests on the ACT Aspire™ exam; or
 - c. A score of 410+ on the evidence-based reading section and 520+ on the mathematics sections of the SAT ®; or
 - d. A composite score on the ACT exam (without writing) of 28.
5. Earning a nationally or internationally recognized business or industry certification or license with:
- a. Performance on an examination sufficient to obtain a nationally or internationally recognized business or industry certification; or
 - b. Performance on an examination sufficient to obtain a government-required credential to practice a profession.
 - c. Nationally or internationally recognized business or industry certification shall be defined as an industry validated credential that complies with knowledge and skills standards promulgated by a nationally or internationally recognized business, industry, professional or government entity representing a particular profession or occupation that is issued or endorsed by:
 - i. A national or international business, industry or professional organization; or
 - ii. A state agency or other government entity; or
 - iii. A state-based association

PREPARING A FOUR-YEAR PROGRAM

How to Choose Your Program

This section serves as a planning guide as you make decisions about your four-year high school program. You are urged to consider each decision carefully. In selecting a program of studies, you will want to consider all the possibilities—realizing, however, that this is one of the most important decisions you will make during the next several years. There are certain steps to follow that can help you make your choices.

- ✓ Find out all you can about the programs of studies offered.
- ✓ Compare the programs. Think about yourself and how each program might help you.
- ✓ Consider the advantages and disadvantages of each program. Weigh these carefully.
- ✓ Choose the program of studies which seems to have the most advantages for you. To follow these steps, you will need to know about high school programs of studies, about yourself, and about careers.

Know About High School Programs

Your counselor and teachers will be helpful in advising you more specifically about the high school programs of studies offered. Find out the following:

- ✓ The graduation plan you wish to pursue (see graduation requirements).
- ✓ The number of units of credit in specific subject areas needed for graduation under each plan.
- ✓ The courses that are required to begin certain high school sequences of courses.
- ✓ The elective courses you may take.
- ✓ The kinds of education or work for which the program can prepare you. As you think about this issue, look at the section on Career Clusters and Pathways below.

4-Year Personal Graduation Plan (Sample)

Student Name: _____ ID# _____ Expected Graduation Date: _____

Endorsement Selected: STEM Business & Industry Arts & Humanities
 Public Services Multidisciplinary Studies

Foundation Plan – 22 Credits	Endorsements – 26 Credits	Distinguished – Eligible for Top 10% Automatic Admission
<p>English/Language Arts – 4 Credits</p> <input type="checkbox"/> English I <input type="checkbox"/> English II <input type="checkbox"/> English III <input type="checkbox"/> 4 th English _____ <p>Mathematics – 3 Credits</p> <input type="checkbox"/> Algebra I <input type="checkbox"/> Geometry <input type="checkbox"/> 3 rd Math _____ <p>Social Studies – 3 Credits</p> <input type="checkbox"/> World Geography or World History <input type="checkbox"/> US History <input type="checkbox"/> Government (½ credit) <input type="checkbox"/> Economics (½ credit) <p>Science – 3 Credits</p> <input type="checkbox"/> Biology <input type="checkbox"/> 2 nd Science _____ <input type="checkbox"/> 3 rd Science _____ <p>Foreign Language - 2 Credits</p> <input type="checkbox"/> Year 1 _____ <input type="checkbox"/> Year 2 _____ <p>Fine Arts – 1 Credit</p> <input type="checkbox"/> _____ <p>Physical Education – 1 Credit</p> <input type="checkbox"/> PE _____ <p>Electives – 5 Credits</p> <input type="checkbox"/> Elective 1 _____ <input type="checkbox"/> Elective 2 _____ <input type="checkbox"/> Elective 3 _____ <input type="checkbox"/> Elective 4 _____ <input type="checkbox"/> Elective 5 _____	<p>STEM</p> <input type="checkbox"/> 4 th Math _____ <input type="checkbox"/> 4 th Science _____ <input type="checkbox"/> Elective 1 _____ <input type="checkbox"/> Elective 2 _____ <p>Business & Industry</p> <input type="checkbox"/> 4 th Math _____ <input type="checkbox"/> 4 th Science _____ <input type="checkbox"/> Elective 1 _____ <input type="checkbox"/> Elective 2 _____ <p>Arts & Humanities</p> <input type="checkbox"/> 4 th Math _____ <input type="checkbox"/> 4 th Science _____ <input type="checkbox"/> Elective 1 _____ <input type="checkbox"/> Elective 2 _____ <p>Public Services</p> <input type="checkbox"/> 4 th Math _____ <input type="checkbox"/> 4 th Science _____ <input type="checkbox"/> Elective 1 _____ <input type="checkbox"/> Elective 2 _____ <p>Multidisciplinary Studies</p> <input type="checkbox"/> 4 th Math _____ <input type="checkbox"/> 4 th Science _____ <input type="checkbox"/> Elective 1 _____ <input type="checkbox"/> Elective 2 _____	<p><input type="checkbox"/> Algebra II (must be one of the student's math credits)</p> <hr/> <p style="text-align: center;">STAAR EOC Checklist</p> <input type="checkbox"/> English I <input type="checkbox"/> English II <input type="checkbox"/> Algebra I <input type="checkbox"/> US History <input type="checkbox"/> Biology <hr/> <p style="text-align: center;">Plans for the Future</p> <p>Testing</p> <input type="checkbox"/> THEA _____ <input type="checkbox"/> TSI _____ <input type="checkbox"/> PSAT _____ <input type="checkbox"/> SAT _____ <input type="checkbox"/> ACT _____ <p>College Readiness</p> <input type="checkbox"/> Math _____ <input type="checkbox"/> Reading _____ <input type="checkbox"/> Writing _____ <p>College Preparatory Courses</p> <input type="checkbox"/> Math _____ <input type="checkbox"/> Reading _____ <input type="checkbox"/> Writing _____ <p>Post-Secondary Applications</p> <input type="checkbox"/> Apply Texas <input type="checkbox"/> Common Application <input type="checkbox"/> Military Recruiter <input type="checkbox"/> Technical School <input type="checkbox"/> Local Employer <p>Financial-Aid</p> <input type="checkbox"/> FAFSA/TAFSA <input type="checkbox"/> Scholarships <input type="checkbox"/> Financial Workshop

Sample FHSP + Endorsement Graduation Plans

Content	STEM A		STEM B		STEM C	
<i>ELA</i>	English 1	1	English 1	1	English 1	1
	English 2	1	English 2	1	English 2	1
	English 3	1	English 3	1	English 3	1
	4th English	1	4th English	1	4th English	1
<i>Math</i>	Algebra I	1	Algebra I	1	Algebra I	1
	Geometry	1	Geometry	1	Geometry	1
	Algebra II	1	Algebra II	1	Algebra II	1
<i>Science</i>	Biology	1	Biology	1	Biology	1
	Chemistry	1	Chemistry	1	Chemistry	1
	Physics	1	Physics	1	Physics	1
<i>SS</i>	W Geo/W History	1	W Geo/W History	1	W Geo/W History	1
	US History	1	US History	1	US History	1
	Government	0.5	Government	0.5	Government	0.5
	Economics	0.5	Economics	0.5	Economics	0.5
<i>LOTE</i>	LOTE I	1	LOTE I	1	LOTE I	1
	LOTE II	1	LOTE II	1	LOTE II	1
<i>Fine Arts</i>	Fine Arts	1	Fine Arts	1	Fine Arts	1
<i>PE</i>	PE	1	PE	1	PE	1
<i>Electives</i>	Elective	1	Elective	1	Elective	1
	Elective	1	Elective	1	Elective	1
	Elective	1	Elective	1	Elective	1
			Elective	1	Elective	1
			Elective	1	Elective	1
			Elective	1	Elective	1
<i>Endorsement Requirements</i>	Math	1	Science	1	Math	1
	Science	1	Math (Endorsement)	1	Science (Endorsement)	1
	CTE 1	1	Math (Endorsement)	1	Science (Endorsement)	1
	CTE 2	1				
	CTE 3	1				
	CTE 4	1				
<i>Total</i>		26		26		26

Content	Business & Industry A		Business & Industry B	
<i>ELA</i>	English 1	1	English 1	1
	English 2	1	English 2	1
	English 3	1	English 3	1
	4th English	1	4th English	1
<i>Math</i>	Algebra I	1	Algebra I	1
	Geometry	1	Geometry	1
	Math	1	Math	1
<i>Science</i>	Biology	1	Biology	1
	IPC/Science	1	IPC/Science	1
	Science	1	Science	1
<i>SS</i>	W Geo/W History	1	W Geo/W History	1
	US History	1	US History	1
	Government	0.5	Government	0.5
	Economics	0.5	Economics	0.5
<i>LOTE</i>	LOTE I	1	LOTE I	1
	LOTE II	1	LOTE II	1
<i>Fine Arts</i>	Fine Arts	1	Fine Arts	1
<i>PE</i>	PE	1	PE	1
<i>Electives</i>	Elective	1	Elective	1
	Elective	1	Elective	1
	Elective	1	Elective	1
<i>Endorsement Requirements</i>	Math	1	Math	1
	Science	1	Science	1
	CTE 1	1	English Elective	1
	CTE 2	1	Debate/Newspaper/Yearbook 1	1
	CTE 3	1	Debate/Newspaper/Yearbook 2	1
	CTE 4	1	Debate/Newspaper/Yearbook 3	1
<i>Total</i>		26		26

Content	Arts & Humanities A		Arts & Humanities B		Arts & Humanities C	
<i>ELA</i>	English 1	1	English 1	1	English 1	1
	English 2	1	English 2	1	English 2	1
	English 3	1	English 3	1	English 3	1
	4th English	1	4th English	1	4th English	1
<i>Math</i>	Algebra I	1	Algebra I	1	Algebra I	1
	Geometry	1	Geometry	1	Geometry	1
	Math	1	Math	1	Math	1
<i>Science</i>	Biology	1	Biology	1	Biology	1
	IPC/Science	1	IPC/Science	1	IPC/Science	1
	Science	1	Science	1	Science	1
<i>SS</i>	W Geo/W History	1	W Geo/W History	1	W Geo/W History	1
	US History	1	US History	1	US History	1
	Government	0.5	Government	0.5	Government	0.5
	Economics	0.5	Economics	0.5	Economics	0.5
<i>LOTE</i>	LOTE I	1	LOTE I	1	LOTE I	1
	LOTE II	1	LOTE II	1	LOTE II	1
<i>Fine Arts</i>	Fine Arts	1	Fine Arts	1	Fine Arts 1	1
<i>PE</i>	PE	1	PE	1	PE	1
<i>Electives</i>	Elective	1	Elective	1	Elective	1
	Elective	1	Elective	1	Elective	1
	Elective	1	Elective	1	Elective	1
	Elective	1	Elective	1	Elective	1
	Elective	1	Elective	1	*Elective	
	*Elective		*Elective			
<i>Endorsement Requirements</i>	Math	1	Math	1	Math	1
	*Science	1	*Science	1	*Science	1
	4 th Social Studies	1	LOTE III	1	Fine Arts 2	1
	5 th Social Studies	1	LOTE IV	1	Fine Arts 3	1
				Fine Arts 4	1	
<i>Total</i>		26		26		26

Content	Public Services A		Pubic Services B	
<i>ELA</i>	English 1	1	English 1	1
	English 2	1	English 2	1
	English 3	1	English 3	1
	4th English	1	4th English	1
<i>Math</i>	Algebra I	1	Algebra I	1
	Geometry	1	Geometry	1
	Math	1	Math	1
<i>Science</i>	Biology	1	Biology	1
	IPC/Science	1	IPC/Science	1
	Science	1	Science	1
<i>SS</i>	W Geo/W History	1	W Geo/W History	1
	US History	1	US History	1
	Government	0.5	Government	0.5
	Economics	0.5	Economics	0.5
<i>LOTE</i>	LOTE I	1	LOTE I	1
	LOTE II	1	LOTE II	1
<i>Fine Arts</i>	Fine Arts	1	Fine Arts	1
<i>PE</i>	PE	1	PE	1
<i>Electives</i>	Elective	1	Elective	1
	Elective	1	Elective	1
	Elective	1	Elective	1
<i>Endorsement Requirements</i>	Math	1	Math	1
	Science	1	Science	1
	CTE 1	1	JROTC 1	1
	CTE 2	1	JROTC 2	1
	CTE 3	1	JROTC 3	1
	CTE 4	1	JROTC 4	1
<i>Total</i>		26		26

Content	Multidisciplinary Studies A		Multidisciplinary Studies B		Multidisciplinary Studies C	
ELA	English 1	1	English 1	1	English 1	1
	English 2	1	English 2	1	English 2	1
	English 3	1	English 3	1	English 3	1
	4th English	1	4th English	1	4th English	1
Math	Algebra I	1	Algebra I	1	Algebra I	1
	Geometry	1	Geometry	1	Geometry	1
	Math	1	Math	1	Math	1
Science	Biology	1	Biology	1	Biology	1
	IPC/Science	1	IPC/Science	1	IPC/Science	1
	Science	1	Science	1	Science	1
SS	W Geo/W History	1	W Geo/W History	1	W Geo/W History	1
	US History	1	US History	1	US History	1
	Government	0.5	Government	0.5	Government	0.5
	Economics	0.5	Economics	0.5	Economics	0.5
LOTE	LOTE I	1	LOTE I	1	LOTE I	1
	LOTE II	1	LOTE II	1	LOTE II	1
Fine Arts	Fine Arts	1	Fine Arts	1	Fine Arts 1	1
PE	PE	1	PE	1	PE	1
Electives	Elective	1	Elective	1	Elective	1
	Elective	1	Elective	1	Elective	1
	Elective	1	Elective	1	Elective	1
	Elective	1	Elective	1	Elective	1
	Elective	1	Elective	1	Elective	1
	Elective	1	Elective	1	Elective	1
Endorsement Requirements	Math	1	Math	1	AP Math	1
	Science	1	Science	1	AP Science	1
	4 th Adv. Course	1	4th Social Studies	1	*AP Social Studies	1
Total		26		26		26

*Students may take AP Human Geography, AP US History, or AP Government/AP Economics and substitute the AP Social Studies endorsement requirement with an elective credit.

Advanced English/Language Arts, Math & Science Options

The chart below outlines courses in TCISD that will satisfy the “Advanced” English/Language Arts, Math & Science requirements for students graduating with the FHSP + Endorsement Option, including the Distinguished Level of Achievement Diploma.

English/Language Arts	Mathematics	Science
English IV or OnRamps English IV	Algebra II or OnRamps College Algebra (required for DAP)	Chemistry or Chemistry Advanced or AP Chemistry or OnRamps Chemistry
ENGL 1301 Composition & Rhetoric I & ENGL 1302 Composition & Rhetoric II (Independent Study in English)	MATH 1314 College Algebra	Physics or AP Physics 1 or AP Physics 2 or OnRamps Physics
Independent Study in Journalism	Algebraic Reasoning	Environmental Systems
AP English Language & Composition (AP English III)	Engineering Mathematics	AP Biology
AP English Literature & Composition (AP English IV)	Mathematical Models with Applications	Anatomy & Physiology*
Advanced Broadcast Journalism III	Pre-Calculus or Pre-Calculus Advanced or OnRamps Pre-Calculus	Aquatic Science
Advanced Journalism Newspaper III	AP Calculus AB	Astronomy
Advanced Journalism Yearbook III	Statistics	Earth and Space Science or OnRamps Earth, Wind, & Fire
Debate III	College Prep Math	Forensic Science*
Humanities	OnRamps College Algebra	Medical Microbiology*
Oral Interpretation III	OnRamps Statistics	Pathophysiology*
		Robotics Programming and Design I & II*

*Career & Technical Education (CTE) designated courses.

State Assessment Requirements

House Bill 5 enacted with the 83rd Legislature and approved by the State Board of Education in January 2014 requires students to achieve a passing score on five (5) End-of-Course assessments in order to graduate from high school. The required EOC assessments include:

1. English I
2. English II
3. Algebra I*
4. Biology
5. US History

*Students who enrolled in Algebra I in 8th grade and who performed satisfactorily on the Algebra I EOC exam have already met this requirement.

HB 4545 Requirements

Beginning with the 2021-2022 school year, students in grades 9-12 who did not pass any STAAR or STAAR EOC assessment in the previous school year are required to participate in Accelerated Instruction.

Accelerated Instruction must be:

- Provided in addition to the regular instruction the student is already receiving, outside the regular school day.
- Provided at least 30 hours total for each STAAR assessment the student did not pass in the previous year.

Attendance at Accelerated Instruction sessions is **mandatory** for all students; parents or guardians **do not have the option of opting out.**

In addition, students in Grade 9 who did not pass the 8th Grade STAAR Reading or Math assessment must be provided with an Accelerated Learning Committee, to include the student's parent or guardian. The purpose of the committee is to develop an educational plan for the student that provides the necessary Accelerated Instruction to enable the student to perform at the appropriate grade level by the conclusion of the school year.

Superintendent's Academic Achievement Awards

The Superintendent's Academic Achievement Award Program was developed to promote excellence while recognizing and congratulating students who demonstrate exemplary academic scholarship in grades 6-12. Students eligible for this award must maintain an "A" average for every course taken in TCISD for each semester, meet the minimum state criteria for attendance each semester and maintain an excellent discipline record. An "A" average consists of a numerical grade of at least 89.5. Superintendent's Academic Achievement Award winners receive individual school awards, certificates, are featured in the District's newsletter and are recognized annually at a special banquet.

ADVANCED & ADVANCED PLACEMENT (AP) COURSES

Advanced/AP Placement for Grades 9-12

TCISD students are encouraged to enroll in academically rigorous courses. *ALL Advanced and Advanced Placement (AP) courses will receive weighted grade points (unless otherwise noted).* Certain courses will allow completion of an advanced measure or performance acknowledgements, project or research specific to that course in order to receive the weighted grade points. For advanced measures, weighted grade points are only awarded at the end of the school year. Students may register for Advanced/AP courses if they meet the course criteria.

Gifted and Talented (GT) students will receive differentiated instruction in Advanced/AP courses. All students in AP courses are expected to take the AP exam. To earn college credit hours for AP courses, the student must earn a minimum score on the exam in the individual subject area as determined by each individual college. AP courses will only count towards Distinguished Achievement measure if the student scores a three (3) or higher on the AP exam. In addition, before a college or university awards college credit for an AP course, students must pass all three portions of the TSIA (Texas Success Initiative) test or meet the TSIA exemption requirements.

Advanced/AP Enrollment Recommendations

In an effort to place students in appropriate level classes, admission criteria have been established for Advanced and AP courses. The academic records for all students who register for these courses will be evaluated against the following criteria when students complete their course selections for the following year:

- **Previous Academic Performance.** First semester averages of the course immediately preceding the requested course.
 - 80 or better for the first semester of previous regular level course in that subject area.
 - 75 or better for the first semester of the previous Advanced/AP course in that subject area.
- **STAAR, End of Course (EOC) Assessment, and PSAT.** It is highly recommended that students score “Meets” or “Masters” level on the relevant STAAR/EOC or meet the college readiness benchmarks on PSAT for entry into Advanced or AP courses. Demonstrated academic achievement on these assessments indicates that the student has the knowledge and skills necessary for success in the rigorous college preparatory and college level courses.

Expectations

- Advanced/AP English Courses may require a summer reading assignment. Failure to complete this assignment by the assigned date will result in removal from course.
- The student’s parent/guardian must sign approval for the student to take a Advanced/AP course on the student’s choice sheet. This signature binds the student to remain in the Advanced/AP course all year unless the student fails for the first nine weeks or the first semester. A mandatory Advanced parent meeting will be required for students entering into 9th grade. Parents must sign the Advanced/AP contract to be registered for the course. **(If the student fails for the first nine weeks period, the student will be taken out of the Advanced/AP course by the counselor.)**
- If a student fails to take the AP exam, then they will be given an equivalent final exam. Registration for AP exams will be in October/November. Cost per exam ranges from \$53 to \$85 depending on state approved

reductions. Students eligible for the free/reduced meal program will receive the reduced rate. Payment is due upon registration.

Advanced Courses

Advanced courses are rigorous precursors to the Advanced Placement (AP) courses listed below. Students successfully completing Advanced courses are highly encouraged to enroll in AP courses the following year(s).

English/Language Arts

- English I Advanced
- English II Advanced

Mathematics

- Algebra I Advanced
- Geometry Advanced
- Algebra II Advanced
- Pre-Calculus Advanced

Foreign Language

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

Science

- Biology Advanced
- Chemistry Advanced

Social Studies

- World History Advanced

Advanced Placement Courses

AP courses make it possible for high school students to earn credit in college-level courses. Students in AP courses are expected to take the AP exam. TCISD offers the following AP courses at the respective campus.

CTE

- AP Computer Science Principles

English/Language Arts

- AP English Language & Composition (AP English III)
- AP English Literature & Composition (AP English IV)

Fine Arts

- AP Art/Drawing Portfolio
- AP/Art Two-Dimensional Design Portfolio
- AP Art/Three-Dimensional Design Portfolio
- AP Music Theory

Foreign Language

- AP Spanish Language & Culture (AP Spanish IV)

Mathematics

- AP Calculus AB

Science

- AP Physics 1
- AP Physics 2
- AP Biology
- AP Chemistry

Social Studies

- AP Human Geography
- AP World History
- AP United States History
- AP U.S. Government & Politics
- AP Macroeconomics

GT Program Procedures

Gifted and Talented Placement is accomplished through a recommendation, screening, and testing process. The process can be initiated by a student's parent, counselor, or teacher making a recommendation. Parental consent, screening, and testing follow a recommendation to determine eligibility for placement in the gifted program. Differentiated instruction for GT students is provided through Advanced/AP programs at each of the high school campuses.

All students, including GT students, in AP courses are expected to take the AP exam.

GT students must be continuously enrolled in at least one Advanced/AP course to continue receiving services. Any student not enrolled in ANY Advanced/AP courses will be furloughed from the program. If advanced curriculum is declined for more than two years it will be removed as an option for the student.

Special Education – Placement Recommendations

Special Education (SpEd) Placement – TCISD High Schools offer a continuum of opportunities to meet the individual needs of students with disabilities. Course selections for students receiving SpEd services are made by the Admission, Review and Dismissal (ARD) Committee based on educational needs. The ARD Committee also makes decisions concerning graduation requirements, which may include varying combinations of state credits, local credits, mastery of goals and objectives, and transition planning.

Alternative Options for Earning High School and College Credits

Correspondence Courses

Credit toward state graduation requirements for correspondence courses shall be granted only under the following conditions:

- Students must enroll in all courses through Texas Tech University ISD at <http://www.depts.ttu.edu/uc/k-12/>
Texas Tech University Independent School District
Drane Hall
University Avenue & 15th Street
P.O. Box 42191
Lubbock, TX79409-2191
TEL: (800) 692-6877
- Students may earn a maximum of **eight (8)** credits from TTUISD.
- The correspondence course(s) shall be approved by the student's counselor.
- Students may enroll in only **one (1)** correspondence course at a time.
- Grades earned in correspondence courses shall not be used in computing class rank.
- Seniors enrolled in correspondence courses to earn units required for graduation shall submit the grade for recording at least **thirty (30)** days prior to graduation to be eligible for the Spring commencement ceremony.

- Correspondence courses will not reduce the required number of courses which must be taken in a semester.

Credit by Examination (CBE)

HB 2694, enacted by the 83rd Legislature in 2013, seeks to provide an enhanced opportunity for Texas students to obtain Credit by Examination (CBE) for courses or for grade levels. The purpose of these enhanced opportunities to advance is to allow students who have demonstrated knowledge of a subject matter or demonstrated that they are achieving at a level that is above their existing grade level, to advance academically rather than having to remain in a course of grade level that is insufficiently challenging to the student. For additional information regarding CBE, see policies EHDB (Legal) and EHDC (Legal) in addition to TEC 28.023 and TAC 74.24.

- Requires each school district board of trustees to approve for each subject, to the extent available, at least four (4) examinations that satisfy State Board of Education (SBOE) guidelines.
- Requires that two (2) of the examinations selected by a district include:
 - Advanced Placement (AP) examinations administered by the College Board (CB); and
 - Examinations administered through the College-Level Examination Program (CLEP).
- The additional two (2) examinations may include those developed by:
 - Texas Tech University; and/or
 - The University of Texas at Austin; and/or
 - The school district if the assessment meets all of the requirements in TAC 74.24(c)(2); and/or
 - Another entity if the assessment meets all of the requirements in TAC 74.24(c)(2).
- Requires a school district to give a student in grade level six (6) or above credit for a subject on the basis of a SBOE approved examination for credit in the subject if the student scores in the **80th percentile** or above on the SBOE approved examination;
- Requires the district, if a student is given credit in a subject on the basis of an examination, to enter the examination score on the student's transcript, **and provides that the student is not required to take an end-of-course assessment instrument for that subject;**
- Requires a school district to give a student in grade level six (6) or above credit for a subject in which he/she has had no prior instruction if the student scores:
 - A **three (3)** or higher on an Advanced Placement (AP) examination approved by the board of trustees and developed by the College Board; or
 - A scaled score of **sixty (60)** or higher on an examination approved by the board of trustees administered through the College-Level Examination Program (CLEP).
 - **80%** on any other criterion-referenced test approved by the school district board of trustees for the applicable course.
- In accordance with local school policy, a student in grade level six (6) or above may be given credit for an academic subject in which he/she had some prior instruction if the student scores **70%** on a criterion-referenced test approved by the school district board of trustees for the applicable course.
- Requires each district to administer each approved examination selected by the district:
 - A school district must provide one window to test quarterly (between January 1 and March 31, April 1 and June 30, July 1 and September 30, and October 1 and December 31 annually when each examination for credit for secondary school academic subjects shall be administered. TCISD will determine the specific dates and publish them on the district website. Students may see their counselor for more information.
- Prohibits a student from attempting more than two (2) times to receive credit for a particular subject on the basis of a SBOE approved examinations for credit in that subject.
- Requires a student, if the student fails to achieve the designated score on an applicable examination for a subject before the beginning of the school year in which the student would ordinarily be required to

enroll in a course in that subject in accordance with the school district's prescribed course sequence, to satisfactorily complete the course to receive credit for the course.

The list below is the current Texas Tech University ISD's Credit by Examination courses. For more information, see <https://www.depts.ttu.edu/k12/cbe/>

English Language Arts

- Communication Applications
- English I A&B
- English II A&B
- English III A&B
- English IV A&B

Mathematics

- Algebra I A&B
- Algebra II A&B
- Geometry A&B
- Mathematical Models w/Applications A&B
- Pre-calculus A&B

Science

- Biology A&B
- Chemistry A&B
- Environmental Systems A&B
- Integrated Physics and Chemistry A&B
- Physics A&B
- Astronomy

Social Studies

- Economics with Emphasis on the Free Enterprise System and Its Benefits
- United States Government
- US History Since Reconstruction A&B
- World Geography Studies A&B
- World History Studies A&B

Health & Physical Education

- Foundations of Personal Fitness
- Health Education
- Individual Sports

Languages other than English

- French I A&B
- French II A&B
- German I A&B
- German II A&B
- Latin I A&B
- Latin II A&B
- Spanish I A&B
- Spanish II A&B
- Spanish III A&B

Fine Arts

- Art I

Electives

- Banking and Finance Services
- Business Information Management I A&B
- Child Development
- Digital and Interactive Media A&B
- Dollars and Sense
- Lifetime Nutrition and Wellness
- Money Matters A&B
- Principles of Information Technology A&B
- Psychology
- Sociology
- Web Design

- Students taking CBE for acceleration must sign up with their counselor prior to the published deadline.
- During the fall and spring semester the cost of a CBE is determined by TTUISD.
- Students must pay for all CBE exams.

Texas Virtual School Network (TxVSN)

Texas Virtual School Network (TxVSN) provides online classes for TCISD High School students in order to offer another avenue for students to pursue their academic goals. Success in the virtual learning environment requires that students have effective time-management skills, writing and reading competence, computer skills, and task commitment. Classes in English, Math, Science, and Social Studies are offered. To help identify students who have these skills and to prepare them for the challenges of the virtual classroom, first-time

applicants will be reviewed. For additional information and complete course outlines, please see your counselor and visit the Texas Virtual School website at <http://www.txvsn.org/>.

Texas City ISD may deny paying for a student to take a course via the TxVSN if:

- 1) The district offers a substantially similar course and
- 2) A student wants to take more than three year-long courses during any school year via the TxVSN.

The maximum cost for a TxVSN course is currently \$350-\$450 for a single course. The district will pay for up to three courses; the cost of any additional course taken will be the responsibility of the student. Additional information regarding TxVSN in Texas City ISD is located in Board policies EHDD (Local) and EHDE (Local).

Credit Recovery (ReACH)

The mission of Credit Recovery is to enhance a student's perception of education and the opportunities it provides. This is accomplished by creating a positive learning environment, allowing a diverse approach to achieving goals and establishing clear connections between educational objectives and employment. The program is designed to give students individualized support to ensure their academic success.

Credit Recovery is a computer-based credit recovery program. Enrollment depends on funding and space availability. Courses for credit recovery will be determined by the grade level counselor. Students will be selected for credit based on a priority of need. Prospective graduating seniors will be given first priority; thereafter, students will be selected on a first come first served basis.

Current courses offered in Credit Recovery for credit include, but may not be limited to:

Electives

- Art I A&B
- Art II A&B
- Health
- PE I A&B
- Spanish I
- Speech
- Debate I A&B
- Welding (Dual Credit)

Social Studies

- Government
- Economics
- World Geography A&B
- World History A&B
- US History A&B
- Sociology

English/Language Arts

- English I A&B
- English II A&B
- English III A&B
- English IV A&B

Mathematics

- Algebra I A&B
- Algebra II A&B
- Geometry A&B
- Math Models w/Applications A&B
- Precalculus A&B

Science

- Biology I A&B
- Chemistry I A&B
- IPC A&B
- Forensic Science A&B
- Physics A&B
- Environmental Science A&B

Dual Credit & Articulated Credit

Dual Credit and Concurrent Enrollment Courses:

TCISD High Schools and College of the Mainland (COM) have entered into a partnership to offer dual credit and concurrent enrollment courses to eligible students, which may allow them to earn college credits towards an associate degree while simultaneously earning credit toward their high school graduation.

Dual Credit

Dual credit courses are those college courses which, upon successful completion of the course, give high school and college credit at the same time. These courses provide advanced academic instruction beyond or in greater depth than the Texas Essential Knowledge and Skills (TEKS). Dual credit courses will be taken at COM.

Unless otherwise noted on the chart below, ALL Dual Credit courses will receive weighted grade points. To review the current partnership agreement between TCISD and COM.

Dual credit courses are available for students who have passed all previous sections of the STAAR/EOC test and maintain an overall “B” average in their completed high school course work. Once a TCISD counselor has determined that a student has met the above requirement, the student must complete the following process at COM:

- Meet the high school pre-requisite requirement for the high school level course.
- Complete an application for admission to COM.
- Have an official transcript sent from the student’s high school campus to COM.
- Complete all required testing for entrance into COM. Unless exempt based on the STAAR/EOC, SAT, or ACT test scores, all first time students to college are required to take the Texas Success Initiative (TSI). This test is provided by COM and will count for admission to all state supported colleges and universities in Texas. **The score on TSI must be high enough to place the student into college-level courses in the subject the student wants to take. No remedial college courses will be permitted or accepted for dual credit.**
- Students must complete a Dual Credit/Concurrent Enrollment form and get approval from the counselor’s office before registering for the college course. Both the student and the parent/legal guardian must sign this form.
- Meet with a COM advisor for enrollment approval.
- Register for the course. The student must register and pay all costs associated with taking the course within the college’s required time frame. The enrollment process is the same whether the student takes the course at a TCISD campus or COM.
- Submit proof of enrollment to the high school counselor to ensure the accuracy of your high school schedule.

The cost per semester for taking classes is determined by COM. Complete information regarding admission, testing, and registration requirements is available in the College of the Mainland Dual Credit Student Handbook, which can be obtained from the Senior Counselor, or at COM’s website <http://www.com.edu/dual-credit/>.

General Policies

The course, grade, and high school credit earned are posted on the high school transcript. The posted grade and grade point average are also included on the student’s college transcript. Before a student can withdraw from a dual credit course, he or she must have approval of the high school counselor. **Semester grades are independent of each other. This means that if a student passes only one semester he/she will only receive one half of a credit.** If the course replaces a required course for graduation a passing grade must be earned or the student may not graduate. Because dual credit courses are college level and taught by college-employed instructors, any disputes regarding grades, course content, or other issues must be addressed to COM. For additional information regarding Dual Credit, see policy EHDD (Local).

Dual Credit Course Offerings

COM COURSE	COM Course #	TCISD Course	TCISD Course ID	TCISD Credit	SERVICE ID # #
English Department					
*Composition I	ENGL 1301	English III A or English IV A	05A	0.5	03220300 or 03220400
*Composition II	ENGL 1302	English III B or English IV B	05B	0.5	03220300 or 03223400
*British Literature	ENGL 2322	English IV A	051	0.5	03220400
*British Literature	ENGL 2323	English IV B	052	0.5	03223400
Math Department					
*College Algebra	MATH 1314	Independent Studies in Math (1 st time)	136	0.5	03102500
*Finite Math	Math 1324	Independent Studies in Math (1 st time)	137	0.5	03102500
*Trigonometry	Math 1316	Pre-Calculus A	1133a	0.5	03101100
*Pre-Calculus	Math 2412	Pre-Calculus B	1133b	0.5	03101100
*Calculus I	Math 2413	Independent Studies in Math A (2nd time)	1233a	0.5	03102501
Social Studies Department					
*United States History	HIST 1301	US History A	328A	0.5	03340100
*United States History	HIST 1302	US History B	328B	0.5	03340100
*Federal Government	GOVT 2305	US Government	320	0.5	03330100
*Texas Government	GOVT 2306	Special Topics in Social Studies	329	0.5	03380002
Electives					
American Music	MUSI 1310	Music Appreciation II	696	0.5	03155700
Psychology for Success	PSYC 1300	Special Topics for Social Studies	324	0.5	03380002
Public Speaking	SPCH 1315	Public Speaking	650	0.5	03240900
Interpersonal Communications	SPCH 1318	Professional Communications	651	0.5	13009900

*The grade for this course will receive up to five (5) additional points on the final average for GPA purposes for a maximum of a 100.

Dual Credit Academy Program Options for Junior & Senior High School Students

CAD Drafting

The Drafting Program offers three certificates and an Associate of Applied Science degree. The certificates range includes a 15 credit hour CAD certificate, a 26 credit hour 2D/3D Modeling certificate, and a 38 credit hour Industrial Drafting certificate. The Associate degree is a 60 credit hour degree that provides students with an intermediate skill level in the use of Computer Aided Design (CAD) software.

Semester	Course	Credit Hours Contact Hours	Days	Times	Tuition (In/Out District)
Year 1 - Fall	DFTG 1305	3/64	TTH	1:30-3:30	\$200 / \$250
	DFTG 1409	4/96	MWF		
Year 1 - Spring	DFTG 2419 HY	4/96	TTH	1:30-3:30	\$200 / \$250
	DFTG 2440	4/96	MWF		
Year 2 – Fall	DFTG 2432 HY	4/96	TTH	1:30-3:30	\$200 / \$250
	DFTG 2423	4/96	MWF		
Year 2 - Spring	DFTG 2428	4/96	MWF	1:30-3:30	\$200 / \$250
	POFT 1300	3/48	TTH		

Credential:

CAD Drafting Certificate

2D/3D Modeling Certificate

COM Next Steps – Stackable Credentials:

- Complete DFTG 2430, DFTG 2407 and ARCT 1452 to obtain Industrial Drafting Certificate
- Associate of Applied Science Degree - Drafting

Computer Information Systems Programming

The Computer Information Systems (CSI) Computer Programming Certificate provides the student with a solid background in software development processes and the object-oriented model. The students learn several programming languages. This certificate equips students with the skills needed for entry-level programming, and augments the skills taught in other CIS certificates.

Semester	Course	Credit Hours Contact Hours	Days	Times	Tuition (includes test fee) (In/Out District)
Year 1 - Fall	COSC 1301	3/64	MW	1:30-3:30	\$200 / \$250
	COSC 1336	3/64	TTH	1:30-3:30	
Year 1 – Spring	ITSW 1307 HY	3/96	MW	1:30-3:30	\$200 / \$250
	ITSE 1311 HY	3/96	TTH	1:30-3:30	
Year 2 – Fall	COSC 1337	3/64	MW	1:30-3:30	\$200 / \$250
	ITSE 2309 HY	3/96	TTH	1:30-3:30	
Year 2 – Spring	COSC 2336	3/64	MW	1:30-3:30	\$200 / \$250
	ITSE 2302 HY	3/96	TTH	1:30-3:30	

Students will be required to attend lab every Friday 1:30-3:30 for complete program.

Credentials: Marketable Skills Achievement Award – SQL Server Database Fundamentals

- Microsoft Technology Associate (MTA) SQL Server Database Fundamentals Certification Exam

COM Next Steps – Stackable Credentials:

- Programming Certificate – Level 1
- Upon completion of these 2 additional courses: IMED 1316 & CPMT 1380

Computer Networking Fundamentals Marketable Skills Achievement Award

Upon completion of the Networking Fundamentals Marketable Skills Award, the student will be equipped to pass both COMPTIA A+ exams and be certified in PC operating systems and PC hardware. The COMPTIA A+ certificate is recognized by the IT industry and positions the student to find employment in this area. Additionally, the student will have the ability to gain two Microsoft certifications as well as completion of prerequisites for many of the courses found in the Networking Certificate.

Semester	Course	Credit Hours Contact Hours	Days	Times	Tuition (includes test fee) (In/Out District)
Year 1 - Fall (two 8 week classes)	ITSC 1305	3/80	M-F	1:30-3:30	\$200 / \$250
	ITSC 1325	3/80	M-F	1:30-3:30	
Year 1 – Spring (two 8 week classes)	ITNW 1308	3/80	M-F	1:30-3:30	\$200 / \$250
	ITNW 1354	3/80	M-F	1:30-3:30	
Year 2 – Fall (two 8 week classes)	ITSC 1316	3/80	M-F	1:30-3:30	\$200 / \$250
	ITSC 1391	3/80	M-F	1:30-3:30	
Year 2 – Spring (two 8 week classes)	ITNW 1325	3/80	M-F	1:30-3:30	\$200 / \$250
	ITNW 2312	3/80	M-F	1:30-3:30	

Credentials: Marketable Skills Achievement Award completed after first year.

Students successfully completing each of these courses listed above will be equipped to pass the following certification exams:

- COMPTIA A+ Certification (requires Part 1 & 2 exams)
- Microsoft Window Operating System Fundamentals Certification
- Microsoft Windows Server Administration Certification
- COMPTIA Linux Certification (requires Part 1 & 2 exams)
- Cisco Certified Entry Networking Technician (CCENT)
- Cisco Certified Network Associate (CCNA)

COM Next Steps – Stackable Credentials:

- Networking Certificate – Level 1
Upon completion of these 5 additional courses: ITNW 1345, ITNW 1353, ITSY 1300, ITNW 2305 & ITNW 1380

Cosmetology High School Operator

The High School Operator Certificate is designed to provide current high school students with a quality education in the Cosmetology field and prepare the student to pass the Texas Department of Licensing and Regulation Examination for licensing. The Operator Certificate covers all areas of cosmetology including hair, nails, and skin. High school students must complete requirements before graduation from high school, and must pass all academic classes at the high school.

Semester	Course	Credit Hours Contact Hours	Days	Times	Tuition (In/Out District)
Year 1 - Fall (two 8 week classes)	CSME 1401	4 /	M-F	1:00-5:00	\$200 / \$250
	CSME 1451	4/			
Year 1 – Spring (two 8 week classes)	CSME 2401	4 /	M-F	1:00-5:00	\$200 / \$250
	CSME 1410	4/			
Year 2 – Fall (two 8-week classes)	CSME 1405	4/	M-F	1:00-5:00	\$200 / \$250
	CSME 1443	4/			
Year 2 – Spring (two 8-week classes)	CSME 1348	3/	M-F	1:00-5:00	\$200 / \$250
	CSME 1453	4/			

Textbook Bundle: (\$416.35) must be purchased to start program, used through entire program.

Kit: (\$900-1,000) must be purchased to start program, used through entire program.

Credential: Certificate – Cosmetology: High School Operator

Eligible to take Texas Department of Licensing and Regulation Examination for Cosmetology Operator License.

COM additional programs

- Esthetic Specialty Certificate
- Associate of Applied Science Degree – Cosmetology Instructor

Criminal Justice

The Criminal Justice courses are offered to those students who are seeking careers as police officers, sheriff's deputies, state law enforcement officers, district attorney's investigators, and correctional officers. Classes can be taken in any order and will be set on a rotation. Classes will be scheduled opposite academic dual credit classes.

Semester	Course	Credit Hours Contact Hours	Days	Times	Tuition (In/Out District)
Year 1 - Fall	CRIJ	3 / 48	2days/wk	1:30-2:50	\$200 / \$250
Year 1 - Spring	CRIJ	3 / 48	2days/wk	1:30-2:50	\$200 / \$250
Year 2 – Fall	CRIJ	3 / 48	2days/wk	1:30-2:50	\$200 / \$250
Year 2 - Spring	CRIJ	3 / 48	2days/wk	1:30-2:50	\$200 / \$250

Credential: 12 credit hours toward Associate of Arts in Criminal Justice

COM Next Steps – Stackable Credentials:

- Complete Associate of Arts Degree, Field of Study – Criminal Justice; these courses are transferrable to a four-year university.

Graphic Design

This is a level one certificate comprised of concentrated classes designed to prepare students to enter the workforce as a Graphic Design Production Assistant. A one-year certificate comprised of concentrated classes that accumulate toward a certificate in Graphic Arts. Through hands-on training, students learn what the pros know about graphic design including digital photo manipulation and computer illustration. Topics include the principles of design, typography and color theory, with an emphasis on how to set files up for commercial printing. Students will design professional projects including logos, business packages, brochures, newsletters and billboards. Students receive up-to-date training using industry-standard hardware and software.

Semester	Course	Credit Hours Contact Hours	Days	Times	Tuition (In/Out District)
Year 1 - Fall (two 8 week classes)	ARTS 2313 HY	3/96	M-F	1:30-3:30	\$200/\$250
	ARTS 2314 HY	3/96			
Year 1 – Spring (two 8 week classes)	ARTC 1302 HY	3/96	M-F	1:30-3:30	\$200/\$250
	IMED 1316 HY	3/96			
Year 2 – Fall (two 8 week classes)	ARTC 1349 HY	3/96	M-F	1:30-3:30	\$200/\$250
	ARTC 1353 HY	3/96			
Year 2 – Spring (two 8 week classes)	ARTC 1327 HY	3/96	M-F	1:30-3:30	\$200/\$250
	GRPH 2309 HY	3/96			

All courses will be taught hybrid (80 hours face to face and 16 hours online instruction)

Credential:

Graphic Design Certificate with completion of BUSI 2304

COM Next Steps – Stackable Credentials:

- Web Design Certificate
- Associate of Applied Science Degree – Graphic Design/Web Design

Medical Assistant

The Medical Assistant Certificate program provides an entry-level education for individuals looking to get a start in the medical profession. Medical Assistants are allied health professionals who assist the physicians in the medical setting; they perform routine administrative and clinical tasks in order to keep the physician's office running efficiently.

Semester	Course	Credit Hours Contact Hours	Days	Times	Tuition (includes test fee) (In/Out District)
Year 1 - Fall	MDCA 1309	3/96	MWF	1:30-3:30	\$200 / \$250
	MDCA 1321 Hybrid	3/96	TTH	1:30-3:30	
Year 1 – Spring	MDCA 1302	3/96	MWF	1:30-3:30	\$200 / \$250
	MDCA 1443 Hybrid	4/112	TTH	1:30-3:30	
Year 2 – Fall	MDCA 1417 Hybrid	4/128	MWF	1:30-3:30	\$200 / \$250
	MDCA 1352 Hybrid	3/96	TTH	1:30-3:30	
Year 2 – Spring	MDCA 1348	3/96	MWF	1:30-3:30	\$200 / \$250
	MDCA 1205 Hybrid	2/80	TTH	1:30-3:30	
Year 2 – Summer 6 weeks 4 weeks	MDCA 1460 Hybrid	4/352	M-F	8:00-2:00	
	MDCA 1254 Hybrid	2/80	M-Th	9:00-12:00	

Students will be required to take HITT 1305 before program or during first semester.

Students will be required to take MDCA 1254 and MDCA 1460 summer after graduation to complete program.

Credentials:

Medical Assistant Certificate

American Association of Medical Assistance (AAMA) – Certified Medical Assistant I upon passing the AAMA exam

COM Next Steps:

- Vocational Nursing Program (LVN)
- Associate of Applied Science Degree – Nursing (RN)

Pharmacy Technician Certificate

The Pharmacy Technician Certification program is nationally accredited through the American Society of Health System Pharmacists (ASHP). Pharmacy Technicians are skilled healthcare specialists who work under the direction of a licensed pharmacist. This program will prepare the student to pass the national Pharmacy Technician Certification Exam and to obtain the skills necessary to function as a successful pharmacy technician in a retail or hospital setting. Each student is given the opportunity as an intern to realize the actual on-site job experience in both a hospital and community pharmacy.

Semester	Course	Credit Hours Contact Hours	Days	Times	Tuition (includes test fee) (In/Out District)
Year 1 - Fall	PHRA 1301	3/64	TTH	1:30-3:30	\$200 / \$250
	PHRA 1449	4/96	MWF	1:30-3:30	
Year 1 – Spring	PHRA 1309	3/64	TTH	1:30-3:30	\$200 / \$250
	PHRA 1445	4/80	MWF	1:30-3:30	
Year 2 – Fall	PHRA 1441	4/80	MWF	1:30-3:30	\$200 / \$250
	PHRA 1347	3/48	TTH	1:30-3:30	
Year 2 – Spring	PHRA 1404	3/64	MW	1:30-3:30	\$200 / \$250
	PHRA 1243	2/32	F	1:30-3:30	
	PHRA 2360	3/180	TTH	1:30-?	

Student will be required to be 18 years old to take PHRA 2360 the clinical. If student is not 18 at start of spring semester, he/she will be able to take PHRA 2360 & PHRA 1243 the summer after graduation.

Clinical sites: Walgreens and Mainland Hospital

Updated immunization record must be turned in to participate in this program.

Additional Cost:

Background check - \$40

TB test & Flu shot - \$50

10 panel drug screen - \$50

Internship – Technician Trainee registration - \$98

Malpractice Insurance - \$16

Certification Exam - \$129

Upgrade Trainee registration to Technician registration - \$90

Credentials:

Pharmacy Technician Certificate

COM Next Steps:

- Associate of Applied Science Degree – Pharmacy Technician

Welding

After completing the Entry Level Welding Certificate, students will take a certification test on QC10. Upon passing the exam, students will receive a Certified Entry Level Welder certification from the American Welding Society (AWS). The AWS certificate is verification of workplace competencies in the area of Entry Level Welding.

Semester	Course	Credit Hours Contact Hours	Days	Times	Tuition (In/Out District)
Year 1 - Fall	WLDG 1421	4 / 160	M-F	7:00-9:00 1:30-3:30	\$200/\$250 + \$200 supply fee
Year 1 - Spring	WLDG 1425	4 / 160	M-F	7:00-9:00 1:30-3:30	\$200/\$250 + \$200 supply fee
Year 2 – Fall	WLDG 1457	4 / 160	M-F	7:00-9:00 1:30-3:30	\$200/\$250 + \$200 supply fee
Year 2 - Spring	WLDG 1434	4 / 160	M-F	7:00-9:00 1:30-3:30	\$200/\$250 + \$200 supply fee

Equipment, textbook and workbook used through entire program.

Equipment: (\$150) must be purchased through AirGas to start program.

Textbook: Welding Principles and Applications (\$167.75) must be purchased to start program.

Lab Manual: Welding Principles and Applications (\$97.25) must be purchased to start program.

Credential:

Employable, but two courses (8 hours) shy of Entry Level Welding certificate.

COM Next Steps – Stackable Credentials:

- Complete WLDG 1430 & WLDG 1435 to obtain Entry Level Welding Certificate
 - Complete WLDG 1412, WLDG 2451, WLDG 2406 & WLDG 2413 to obtain Advanced Level Welding Certificate
- After completing the Advanced Level Welding Certificate, student will take a certification test on QC11. Upon passing the exam, student will receive an Advanced Certification from the American Welding Society (AWS). The AWS certificate is verification of workplace competencies in the area of Advance Level Welding.

OnRamps

OnRamps is an innovative dual-enrollment program that is coordinated through the University of Texas at Austin. It is dedicated to preparing students for postsecondary success. Each course is taught using a hybrid model. Students meet university-level college readiness standards and have the opportunity to earn UT-Austin credit from a UT faculty member and high school credit from their local teacher.

- The high school grade includes all homework, projects, and tests assigned during the course.
- The college grade includes only those tests and projects included in the University's college course.

At the end of the semester, students must choose to accept or deny the college credit. Students should check with the colleges they plan to attend to determine if it is in their best interest to accept or deny the college credit.

All coursework can be applied to the Texas Common Core which are guaranteed to transfer to any Texas Public Institution.

Courses Offered*:

- OnRamps English
- OnRamps College Algebra
- OnRamps Chemistry
- OnRamps Physics
- OnRamps Precalculus
- OnRamps Statistics
- OnRamps U.S. History

Collegiate High School

Collegiate High School (CHS) is a program for high school students who seek an academically challenging and mature educational environment. CHS offers rigorous academic instruction, career guidance, academic counseling, and work-based learning opportunities. By optimizing dual credit opportunities, students may complete high school graduation and associate degree requirements simultaneously. Through specially designed transition classes and activities, CHS students are allowed to enroll as full-time college students at COM.

1. TCISD Collegiate High School Application Process

Current 10th and 11th Grade students must meet the following criteria in order to be considered by high school administration and counseling staff for the COM Collegiate High School Program:

- Mandatory attendance by parent/guardian at either LMHS or TCHS for the Collegiate HS parent overview.
- Three HS Teacher recommendation forms – 2 of 3 core subject teachers required
- Attendance of 90% or higher
- No DAEP assignments during the school year of application. Students receiving DAEP assignments between the application deadline and the end of the school year will not be considered or recommendation will be rescinded for the COM Collegiate High School program.
- Successful completion of prerequisite courses
- Overall GPA of at least 85
- Met Standard on all STAAR EOC tests previously assessed. Failure to pass EOC test(s) taken in the Spring of 2022 will have the recommendation rescinded for the COM Collegiate High School program.
- PSAT Readiness Scores (*Recommended but not a mandatory requirement to be eligible.*)

PSAT/NMSQT College and Career Readiness Benchmarks		
	<i>Evidence-Based Reading and Writing</i>	<i>Math</i>
<i>10th Grade</i>	430	480
<i>11th Grade</i>	460	510

- **Apply to College of the Mainland at <https://www.com.edu/admissions/apply/index.html>**
- Help will be available at a designated location and time on each campus during the school day for those that need assistance with completing the Apply Texas application.
- The Apply Texas application must be completed at least 5 days prior to taking the TSI

2. TSIA

- Pre-Assessment Test for TSI – <https://www.com.edu/testing-center/tsi-assessment.html>
- Test Date – Students will need to sign up for the TSI test in the counselor’s office
- Test Day - Testing opportunities are available through College of the Mainland’s Testing Center and will be offered on both campuses.
- TSI and TSIA 2.0 Minimum Requirements:

	Math	Reading	Writing
TSI	350+	351+	340+ and Essay 4 < 340 and ABED score of 4 and Essay 5

	Math	Reading & Language Arts
TSIA 2.0	950+ or 910+ with a Diagnostic Level of 6	945+ w/ Essay of 5-8 or 910+ w/ a Diagnostic Level of 5-6 & an Essay of 5-8

3. Transcript

- Attach a copy of your current transcript to your application

4. Essay – Select one of the following essay prompts. Write an essay, with a minimum of 800 words in response to your selected prompt. All essays must be typed.

Essay A:

Considering your lifetime goals, discuss how your current and future academic and extra-curricular activities help you achieve your goals.

Essay B:

Describe a circumstance, obstacle or conflict in your life and the skills and resources you used to resolve it. Did it change you? If so, how?

Essay C:

Describe a setting in which you have collaborated or interacted with people whose experiences and/or beliefs differ from yours. Address your initial feelings, and how those feelings were or were not changed by this.

5. Student/Parent Interview

- Applications will be evaluated after the application deadline and students will be notified of their application status. All students that have an eligible application will be required to schedule a student/parent interview (during the set interview window dates) to complete the application process.
- An interview appointment schedule will be available when the student is notified of their application status. The interview window is set for April 4 – April 15, 2022.

Completed Applications are due NO LATER than 4:10 PM on March 11, 2022.

Applications must be complete before turning it in to the counselors.

Incomplete applications or applications turned in after the deadline will not be considered.

Additional documents needed once accepted for the COM Collegiate High School Program:

Immunization Record

- A copy of your official immunization record indicating Meningitis vaccination

Student Contact/Information Sheet

- A student contact/information sheet will be given to the student upon acceptance for the COM collegiate High School Program and will need to be completed and returned to the counselor.

CHS Course Offerings

COM COURSE	COM Course #	TCISD Course	TCISD Course ID	TCISD Credit	SERVICE ID #
English Department					
*British Literature	ENGL 2322	English III A	018A	0.5	03220300
*British Literature	ENGL 2323	English III B	018B	0.5	03220300
*Composition I	ENGL 1301	English IV A	045	0.5	03220400
*Composition II	ENGL 1302	English IV B	046	0.5	03223400
Math Department					
*College Algebra	Math 1314	Independent Studies in Math (1 st time)	136	1	03102500
*Finite Math	Math 1324	Independent Studies in Math (1 st time)	137	1	03102500
*Pre-Calculus	Math 2412	Pre-calculus	1133	1	03101100
*Calculus I	Math 2413	Independent Studies in Math A (2 nd time)	1233	1	03102501
*Calculus II	Math 2414	Independent Studies in Math B (2 nd time)		1	03102501
Science Department					
*Introductory Chemistry I	CHEM 1405 or CHEM 1406	Chemistry A Scientific Research & Design I	2088	1	03040000
*Biology for Sci Majors I	BIOL 1406	Biology A Scientific Research & Design I	2055	1	03010200
*Biology for Sci Majors II	BIOL 1407	Biology B Scientific Research & Design II	2055	1	03010200
*General Chemistry I	CHEM 1411	Chemistry A Scientific Research & Design I	2088	1	03040000
*General Chemistry II	CHEM 1412	Chemistry B Scientific Research & Design II	2088	1	03040000
*College Physics I	PHYS 1401	Physics A	2188a	0.5	03050000
*College Physics II	PHYS 1402	Physics B	2188b	0.5	03050000
Anatomy & Physiology I	BIOL 2401	Anatomy & Physiology A	2222	1	12112130
Anatomy & Physiology II	BIOL 2402	Anatomy & Physiology B	2222	1	12112130
Social Studies					
*United States History I	HIST 1301	US History A	327	0.5	03340100

*United States History II	HIST 1302	US History B	328	0.5	03340100
*Federal Government	GOVT 2305	US Government	320	0.5	03330100
Texas Government	GOVT 2306	Social Studies Advanced Studies	326	0.5	03380001
*Principles of Macroeconomics	ECON 2301	Economics	321	0.5	03310300
Principles of Microeconomics	ECON 2302	Economics Advanced Studies		0.5	03310301
Electives					
Business Computer Application	BCIS 1305	Business Information Management A&B	761	1	12011200
*General Psychology	PSYC 2301	Psychology	323	0.5	03350100
Psychology for Success	PSYC 1300	Special Topics for Social Studies	324	0.5	03380002
*Introduction to Sociology	SOCI 1301	Sociology	311	0.5	03370100
*Beginning Spanish I	SPAN 1411	Spanish I	521	1	03440100
*Beginning Spanish II	SPAN 1412	Spanish II or Spanish III	5233	1	03440300
*Intermediate Spanish I	SPAN 2311	Spanish III or Spanish IV	5234	1	03440400
Public Speaking or Interpersonal Communications	SPCH 1315 or 1318	Communication Applications	650	0.5	03241400

*The grade for this course will receive up to five (5) additional points on the final average for GPA purposes.

NOTES:

- For a full list of courses offered by Collegiate High School, use this link:
<https://www.com.edu/collegiate-high-school/index.html>
- These classes will count for both high school and college credit.
- Additions and deletions may occur due to TEA, COM &/or TCISD updates and changes.

State Articulated Courses

The Career and Technology Education (CTE) department offers courses that not only meet high school graduation requirements, but can also be used as college credits in community colleges across the state of Texas.

Texas City ISD's State Articulated Courses (ATC) program is a way for students to start a college technical major while in high school and continue pursuing the degree at a community or technical college. The student now has the opportunity to receive a certificate or an Associate's degree in a career field. In some situations, the student will then have the option to continue his/her education in a major university to complete a Bachelor's degree in a related field of study. The plan combines the academic courses needed for success in high school and technical courses that begin to prepare the student for a career. These plans can include:

- Content-enhanced state articulated courses (ATC)
- Dual Credit (courses enrollment through a local college); and/or
- College Board Advanced Placement (AP) courses

Many of Texas City ISD's Career and Technology (CTE) courses are "**articulated**" courses, which means that they are aligned with the curriculum of community and technical colleges locally and throughout the state of Texas. When a student takes one of these courses in their Junior or Senior year, they can get college credit as well as high school credit.

When a course is referred to as an **Advanced Technical Credit (ATC)** course, this means that it has been articulated and approved for credit in all community colleges throughout the state of Texas.

Useful websites: <http://www.atctexas.org/>

Statewide and Locally Articulated College Credit Courses

The following courses offered at TCISD High Schools are career and technical courses approved for statewide or local articulated postsecondary credit at community and technical college.

Qualification requirements for college credit:

- Enroll in an ATC course (preferably a coherent sequence of courses)
- State ATC – Courses in an articulate coherent sequence may be taken at any grade level (9-12) as long as the final course in the articulated coherent sequence is taken in grade 11 or grade 12
- Earn a minimum grade of 80 on the course
- Enroll at a participating college within 15 months of high school
- Complete 6 to 12 college credits (pending college requirement)

The CTE classes listed below include all of Texas City ISD's statewide articulated courses for Advanced Technical Credit (ATC) and all the locally articulated Courses.

Pending teacher new TEKS training and approval from college

Career Technology Tech Prep/DAP Courses	Articulated Statewide
Accounting	X
BIM I	X
BIM II	X
Business Law	X
Principles of Business, Marketing, & Finance	X
Touch System Data Entry	X
Culinary Arts	X
Hospitality	X
Money Matters	X
Architectural Design I	X
Advanced Architectural Design II	X
Electrical Technology	X
Animation	X
Advanced Audio Video Production	X
Medical Terminology & Principles of Health Science (HST I)	X
Health Science Theory (HST II)	X
Anatomy & Physiology	X
Veterinary Medical Applications	X
Wildlife, Fisheries, & Ecology Management	X
Agricultural Mechanics and Metal Technology	X

Acceptance of High School Transfer Credit

Awarding of Credits

Credit will be awarded for courses taken in TCISD in the following manner:

For credit in full year courses, both semesters will be averaged (Unless the course is a dual credit course). This includes summer school and credit recovery. Grades from other schools may be averaged with a course taken at a TCISD high school. Grades from other schools will be evaluated by the Dean of Instruction to determine if grade averaging is possible. Semester credits will stand independently.

Local Credits

Local credit courses are courses that a local school district may offer; however, no state credit may be awarded. Local credit courses may include school service, library training, and repeating a course previously passed in order to reinforce skills.

Grade Point Average (GPA)

Most courses students take figure into their Grade Point Average (GPA). In order to speak the language and understand how credits and GPAs work together, think of them as having a cause-effect relationship. Grades translate into credits; passing grades are awarded with earned credits. Grades are also correlated with the GPA in that higher grades often equate into a high GPA. All students are ranked according to their GPA. A higher GPA will result in a higher ranking in the class.

GPA and class rank matter because they are the first things colleges and employers consider when considering a candidate for admission or employment. Sophomores and juniors can get their GPAs from their counselors. Seniors get their GPAs and class rankings shortly after the beginning of the first semester. Final GPAs are used to determine class rank.

Students receive grade points on the 100-point scale. The grade earned in a class totals the number of grade points for that class. ALL of the courses taken during the regular school year will count towards the GPA.

Courses that do not affect GPA include summer school, correspondence courses, credit by exam courses, REAch Courses or grades for courses taken before ninth grade. The GPA is calculated by dividing the total number of grade points earned by the total number of semester credits attempted at TCISD high school campus during the regular school year.

Students are encouraged to enroll in academically rigorous courses, and those who do are rewarded for their hard work. Students in the **Class of 2023** who complete Advanced or Advanced Placement courses will receive 10 weighted points towards their weighted GPA. Students in the **Class of 2023** who complete Dual Credit, Dual Enrollment (OnRamps), and Collegiate courses will receive 5 weighted points towards their weighted GPA. Students in the **Class of 2024 and beyond** who complete Advanced, Advanced Placement, Dual Credit, Dual Enrollment (OnRamps), and Collegiate courses will receive 10 weighted points towards their weighted GPA. [see [Policy EIC \(Local\)](#)]. **Students in AP courses are expected to take the AP exam.**

Students may register for Advanced/AP courses if they meet the course criteria. Dual Credit and Collegiate High School grades are reported from College of the Mainland on an A-F scale. These letter grades are converted to numeric grades as follows: A=95, B=85, C=77, and D=72.

Students should be aware that the final class rank depends upon the total number of students enrolled as seniors at the end of the school year. As a result, a student's ranking may be lowered, even if the numerical GPA increases.

Honor Graduates

In accordance with Policy EIC (Local):

For the Class of 2023, the valedictorian and salutatorian shall be the eligible students with the highest and second highest ranking, respectively. To be eligible for such recognition, a student in the Class of 2023 must:

1. Have been continuously enrolled at a TCISD high school campus, not the collegiate high school, for the eight semesters immediately preceding graduation from the first day of instruction of the student's freshman year if the student is a non-resident, if the student is the child of a District employee, or if the student has enrolled in the District by limited open enrollment (LOE);
2. Have been continuously enrolled in the District high school, not the collegiate high school, for four semesters immediately preceding graduation from the first day of instruction if the student is a resident of the District;
3. Have completed the distinguished level of achievement under the foundation program for graduation; and
4. Be graduating after exactly eight semesters of enrollment in high school. The student meeting the local eligibility criteria.

For the Class of 2024 and beyond, the valedictorian and salutatorian shall be the eligible students with the highest and second highest ranking, respectively. To be eligible for such recognition, a student in the Class of 2023 must:

1. Have been continuously enrolled in the same District high school for the eight semesters immediately preceding graduation from the first day of instruction of the student's freshman year if the student is a non-resident, if the student is the child of a District employee, or if the student has enrolled in the District by limited open enrollment (LOE);
2. Have been continuously enrolled in the District high school for four semesters immediately preceding graduation from the first day of instruction if the student is a resident of the District;
3. Have completed the distinguished level of achievement under the foundation program for graduation; and
4. Be graduating after exactly eight semesters of enrollment in high school. The student meeting the local eligibility criteria.

The Texas Education Agency allows each public and accredited non-public high school in Texas one "Honor Graduate Certificate." This Certificate shall be presented to the highest-ranking graduate in the senior class. The highest-ranking graduate will receive a Certificate and a declaration document authorizing the president of any state supported college or university to provide a waiver for tuition as specified in the law (Texas Education Code, §54.301). Some non-state-supported colleges and universities may also recognize this award and provide the tuition waiver. Students should present the declaration document to the college or university upon admission and retain the certificate for personal use.

"Honor Students" will be designated in the commencement program by successful completion of the Distinguished Achievement Program (DAP), Top 5% and Top 10%. In addition, the Top 10% students will be recognized at a separate special event hosted by the campus principal.

Top 10 Percent Rule for College Admissions

Students who are in the top 10 percent of their graduating class are eligible for automatic admission to any public university in Texas*. To be eligible for automatic admission, a student must:

- Graduate in the top 10 percent of his or her class at a public or private high school in Texas, or
- Graduate in the top 10 percent of his or her class from a high school operated by the U.S. Department of Defense and be a Texas resident or eligible to pay resident tuition;
- Enroll in college no more than two years after graduating from high school; and
- Submit an application to a Texas public university for admission before the institution's application deadline (check with the university regarding specific deadlines).
- Students admitted through this route may still be required to provide SAT or ACT scores, although these scores are not used for admissions purposes. Students must also take the TSI assessment, unless exempted from the test requirement. Check with the admissions office regarding the TSI assessment, SAT and ACT requirement.
- Students graduating under HB5 Foundation High School Program must earn an Endorsement and the Distinguished Level of Achievement, including Algebra II, in order to be eligible for the top 10% designation, pending final SBOE decisions.

After a student is admitted, the university may review the student's high school records to determine if the student is prepared for college-level work. A student who needs additional preparation may be required to take a developmental, enrichment, or orientation course during the semester prior to the first semester of college. Admission to a university does not guarantee acceptance into a particular college of study or department. Regardless of class ranking, all students are encouraged to apply to the college of their choice.

- * SB 175, passed by the 81st Legislature, modifies the top 10 percent admissions program for The University of Texas at Austin. Automatic admit criteria will vary year-by-year, with remaining spaces to be filled through holistic review.

Scholarship and Financial Aid Process

In the fall of each year the College and Career Counselor begins leading seniors through the process of applying for scholarships and financial aid. Students are given information through their English classes on the following types of financial aid:

- Grants
- Scholarships
- Loans
- College Work Study

Through workshops in senior English classes and Financial Aid Workshops with College of the Mainland, students learn the importance of completing and submitting their financial aid application, FAFSA.

The College & Career Counselor publishes a monthly Scholarship Bulletin telling students what local, state, and educational institution scholarships are available. Applications are housed in the C & C Counselor's office, and students are encouraged to get applications on a self-serve basis. Students are assisted in researching scholarship opportunities both on-line and through financial aid reference books.

Graduating Seniors

Participation in graduation exercises at the end of the regular school year is voluntary. However, to be eligible to participate, the senior must have met all requirements for graduation and not have excessive absences for any course which is required for the student to graduate. A student who does not graduate at the end of the regular school year and who later meets all graduation requirements may participate in the next graduation exercise.

All graduates will be awarded the same type of diploma. Students who complete the Foundation High School Program or Foundation High School Program plus Endorsement shall have a transcript seal indicating the graduation plan.

- Seniors MUST be enrolled in six (6) consecutive periods a day unless special permission is granted by TCISD high school administration. All students must be enrolled in 240 minutes of instruction per day.
- Seniors may take up to two college courses to replace elective periods. Students who must meet the UIL requirement cannot replace electives unless they are also enrolled for five other classes.
- Any senior involved in UIL or other extracurricular competition must be enrolled in 5 TCISD courses each semester. At least three of the courses must be selected from the STATE APPROVED list of courses.
- In order to take college level courses, including dual credit courses, students must pass the portion of the TSI or meet exemption requirements.
- Seniors who enroll in a college course must present evidence of such enrollment to their TCISD High School.
- Students will not be permitted to take part in commencement ceremonies unless all graduation requirements are met, AND all obligations must have been cleared.

Three Year Graduates

In order to meet all graduation requirements, three-year graduates must let their counselor know and submit an Early Graduation Application by the end of their freshmen year of their intent to graduate early.

A student will not be able to graduate early on the foundation high school plan without an endorsement.

Schedule Change Guidelines

TCISD high school master schedules for the 2022-2023 school year are based on the student's schedule requests. After the master schedule is completed, the schedule changes will be made according to the following guidelines:

- Students may not change a course unless
 - (1) the student did not meet the criteria for the course,
 - (2) remaining in the class would keep the student from graduating,
 - (3) the student's graduation plan does not include the course, or
 - (4) the change would help balance course loads.
- Students have 5 school days after each semester begins to initiate a schedule change.
- Schedule change request forms must be signed by a parent before being turned in.
- Work missed in a class the student enters must be made up or will be counted as zeros.
- Changes must be approved by the appropriate counselor/administrator team.
- Students enrolled in year-long courses are expected to remain in those courses the entire year.
- If a student drops a course that is a co-requisite for another course, he/she must also drop the co-requisite course.

English/Language Arts Department (ELA)

Course Recommendation Chart

This chart indicates recommended course sequences for grade 9 through 12.

It is strongly suggested that the both student and parent/guardian consult with student's counselor and English teacher in order to determine the most appropriate course choice and sequence.

Current Year's ELA Course	Next Year's ELA Course
8 th Grade ELA	English I English I Advanced
8 th Grade ELA Advanced	English I Advanced English I
English I	English II English II Advanced
English I Advanced	English II Advanced English II
English II	English III AP English III
English II Advanced	AP English III English III
English III	English IV OnRamps English IV ENGL 1301 Composition & Rhetoric I & ENGL 1302 Composition & Rhetoric II College Prep English IV AP English IV Independent Study in Journalism Integrated Reading and Writing Debate Oral Interpretation
AP English III	AP English IV OnRamps English IV ENGL 1301 Composition & Rhetoric I & ENGL 1302 Composition & Rhetoric II English IV Independent Study in Journalism Debate Oral Interpretation

ELA Course Descriptions

016 English I (Grade 9; 1 credit)^{NCAA}

SERVICE ID # 03220100

English I is an introduction to the five major strands of academic English: reading, writing, listening/speaking, research, and media literacy. The course begins with the essentials, explaining the key terms, skills, and strategies necessary for success throughout high school and beyond. Later, students will work individually and collaboratively to research, create multi-media projects, read and write in a variety of genres, and further develop their skills in reading, listening/speaking, writing conventions, vocabulary acquisition, and critical thinking. Students must meet end-of-course requirements. *This course is REQUIRED (or English I Advanced) for the FHSP.*

021 English I Advanced (Grade 9; 1 credit)^{NCAA}

SERVICE ID # 03220100

This course prepares students for Advanced Placement in grades 11 & 12. Students develop and use the skills covered in English I; however, emphasis is placed on reading, analyzing, interpreting, and annotating literature beyond the textbook. Prospective students should like reading and expect to spend time on outside reading and related extended activities, including research. Organizational skills are essential. Focus will be on preparation for the rigor of Advanced English II, AP English III and IV. Students should be prepared to participate in oral presentations. SAT vocabulary words will also be introduced. Students must meet admission requirements. Summer reading is required. Summer reading assignments and projects will be due the first week of school. Students who do not complete the summer reading assignment will be dropped from the class. Students must meet end of course requirements. *This course is REQUIRED (or English I) for the FHSP.*

017 English II (Grade 10; 1 credit)^{NCAA}

SERVICE ID # 03220200

English II provides development in writing skills including writing process, mechanics of writing, sentence structure, STAAR/EOC reading and writing objectives, library skills, reading skills, including forms/themes of literature, vocabulary, thinking skills, and collaborating skills and SAT vocabulary. Students must meet end-of-course requirements. *This course is REQUIRED (or English II Advanced) for the FHSP.* (Pre-requisite: **English I**)

022 English II Advanced (Grade 10; 1 credit)^{NCAA}

SERVICE ID # 03220200

Students who elect to take English II Advanced should have strong language skills and an eagerness to read challenging material. Prospective students should like reading and expect to spend time on outside reading and related extended activities, including research. In addition to SAT vocabulary work, the students will improve their writing skills by using various syntactical devices. Organizational skills are a must. Focus will be on preparing students for the rigor of English III and IV AP. Students must meet admission requirements. Summer reading is required. Summer reading assignments and projects will be due the first week of school. Students who do not complete the summer reading assignment will be dropped from the class. Students must meet end-of-course requirements. *This course is REQUIRED (or English II) for the FHSP.*

018 English III (Grade 11; 1 credit)^{NCAA}

SERVICE ID # 03220300

English III provides development of students' knowledge of American literary history periods through well-known authors and selections from these periods, vocabulary related to literature and SAT, writing process, usage, library research, thinking skills, collaborating skills and STAAR/EOC reading and writing skills. *This course is REQUIRED (or AP English III) for the FHSP.* (Pre-requisite: **English II**)

033 AP English Language & Composition (English III AP) (Grades 11-12; 1 credit)^{NCAA} SERVICE ID # A03220100

English Language and Composition is for students who read and comprehend well, have a command of Standard English grammar, and are motivated to undertake serious academic work. Through a study of complex prose from various periods, students will develop stylistic maturity in the writing of rhetorical, analytical, synthesis and argumentative essays and must assume responsibility for extensive outside reading, which is the foundation for all assignments. Students may earn college credit and/or advanced placement based on their qualifying work on an examination offered near the end of the spring semester. At the end of this course, students will be expected to take the Advanced Placement test. Students will only be able to count the AP course as a Distinguished Achievement measure if they make a score of 3 or higher on the AP test. Organizational skills for students in this class are a must. Advanced English courses are not required as a pre-requisite but are recommended. Summer reading is required. Summer reading assignments and projects will be due the first week of school. Students who do not complete the summer reading assignment will be dropped from the class. *This course is REQUIRED (or English III) for the FHSP and will meet the requirements of the Multidisciplinary Studies "AP Core Option" Endorsement Pathway.*

019 English IV (Grade 12; 1 credit)^{NCAA} SERVICE ID # 03220400

English IV includes the history and development of the English language and its global importance today, British authors and literature by periods, writing process including a persuasive research paper, literary analysis, oral presentations, vocabulary, usage, thinking skills, and collaborating skills. *This course may be taken as the 4th English/Language Arts credit for the FHSP and is REQUIRED for both the Arts & Humanities and Multidisciplinary Studies (B) Endorsement Pathways.* (Pre-requisite: **English III**)

034 AP English Literature & Composition (English IV AP) (Grade 12; 1 credit)^{NCAA} SERVICE ID # A3220200

English Literature and Composition is for students who read and comprehend well, have a command of Standard English grammar, and are motivated to undertake serious academic work. The literature portion emphasizes the development of skills in critical and analytical reading of imaginative and discursive literature representative of a variety of literary forms, historical periods, themes, and stylistic features. The writing component requires that the students master the writing process in order to respond to assignments that cover a variety of aims and modes. Summer reading is required. Summer reading assignments and projects will be due the first week of school. Students who do not complete the summer reading assignment will be dropped from the class. Students may earn college credit and/or advanced placement based on their qualifying work on an examination offered near the end of the spring semester. At the end of this course students will be expected to take the Advanced Placement test. Students will only be able to count the AP course as a Distinguished Achievement measure if they make a score of 3 or higher on the AP test. *This course may be taken as the 4th English/Language Arts credit for the FHSP and will meet the requirements of the Multidisciplinary Studies "AP Core Option" Endorsement Pathway.*

055 OnRamps English IV (Grade 12; 1 Credit)^{NCAA} SERVICE ID # 0322040

OnRamps English is a dual enrollment course with the University of Texas at Austin. Students will complete their English IV credit while earning ENGL 1301 and ENGL 1302 credit from UT. Students will be enrolled in a high school course that meets daily with a high school teacher where they will earn a high school grade. This teacher is there to support students as they complete their UT college course work via virtual instruction. This two-semester, six credit writing intensive sequence features a fall ENGL 1301 "Research & Writing" course in argumentation that situates rhetoric as an art of civic discourse, followed by the spring semester ENGL 1302 "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. (Pre-requisites: **English III** and pass both English I and II EOCs.)

066 College Prep English IV (Grade 12; 1 Credit)**SERVICE ID # CP110100**

This course is designed to prepare students for college level reading and writing intensive courses including ENGL 1301. The focus of this course will be to apply critical thinking skills for organizing, analyzing, and retaining material. Students will learn to write effective, logical essays, utilizing textual support. Students will develop reading comprehension strategies to analyze, synthesize, and make value judgements using critical thinking. Students that successfully complete this course with an 80 or better, make an 80 on the final writing assignment, and an 80 on the final exam will fulfill the TSI requirements for reading and writing. (Pre-requisites: **English III**)

050A ENGL 1301. Composition & Rhetoric I (Grades 11, 12; 1 Credit)^{NCAA}**SERVICE ID # 03220400**

Intensive study of and practice in writing processes, from invention and researching to drafting, revising and editing, both individually and collaboratively. Emphasis is on effective rhetorical choices, including audience, purpose, arrangement and style. Focus on writing the academic essay as a vehicle for learning, communicating and critical analysis. *This course may be taken as the 4th English/Language Arts credit for the FHSP.* (Pre-requisite: **English II or English III** and a satisfactory TSIA score.)

050B ENGL 1302. Composition & Rhetoric II (Grades 11, 12; 1 Credit)^{NCAA}**SERVICE ID # 03220400**

Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis is on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions. *This course may be taken as the 4th English/Language Arts credit for the FHSP.* (Pre-requisite: **ENGL 1301** with a grade of "C" or better).

051 ENGL 2322. British Literature (Grade 12; ½ Credit)**SERVICE ID # 03220400 OR 03223400**

A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Prerequisite: [ENGL 1301](#) with a grade of "C" or better.

052 ENGL 2323. British Literature (Grade 12; ½ Credit)**SERVICE ID # 03220400 OR 03223400**

A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Prerequisite: **ENGL 2322** with a grade of "C" or better.

0300-0302 Integrated Reading and Writing (Grade 12; 1 Credit)

This course is a preparation for seniors who plan to attend College of the Mainland. The purpose of this course is to assist students in achieving mastery in preparation for college level English course. Course design by College of the Mainland to aid seniors in college preparation by offering 0300 and 0302 course in Fall and Spring semesters. The course is taught in conjunction with the objectives required by College of the Mainland's Humanities department. This course may be taken as the 4th English/Language Arts (Pre-requisite: English III and met English I and II EOC requirements)

653 Debate I (Grades 9-12; 1 Credit)^{NCAA} (TCHS Only)**SERVICE ID # 03240600**

Debate is a specialized course which trains the student to analyze current social, political, and economic problems. Students develop analytical skills; quick thinking; ability to defend worthy ideas, research techniques, strategy, logic and reasoning, refutation with persuasive delivery through classroom debates; and competition with other

schools in the region. Students would be expected to attend speech tournaments throughout the year. In class, students would pursue advanced training in debate, public speaking and interpretation.

654 Debate II (Grades 10-12; 1 credit)^{NCAA} (TCHS Only) SERVICE ID # 03240700

Students will learn the research process, tests of evidence, validity, and parliamentary procedure, cross examination, the elements of a good argument in a free society, and the history of argumentation in the contemporary American public sphere. Students also learn effective argument construction and delivery to an audience by participating in two forms of American academic debate and two forms of European academic debate. This class is offered for those students who are members of the Texas City High School Forensic team. In order to receive credit for the class, enrolled students are required to attend and compete in a debate tournament each six weeks. In class, students would pursue advanced training in debate, public speaking and interpretation. (Pre-requisite: **Debate I** and Teacher Approval.) *Weighted points will be awarded.*

655 Debate III (Grades 11-12; 1 credit)^{NCAA} (TCHS Only) SERVICE ID # 03240800

In this course, students gain in-depth knowledge of argumentation techniques, research for a specific purpose, and demonstrate speaking as a persuasive skill. They compete in UIL and National Forensic League (NFL) contests. *This course may be taken as the 4th English/Language Arts credit for the FHSP.* (Pre-requisite: **Debate II** and Teacher Approval) *Weighted points will be awarded.*

805 Future Problem Solving I (FPS I; Grades 10-12; 1 Credit) (TCHS Only) SERVICE ID # 03221800

807 Future Problem Solving II (FPS II; Grades 11-12; 1 Credit) (TCHS Only) SERVICE ID # 03221600

808 Future Problem Solving III (FPS III; Grades 12; 1 Credit) (TCHS Only) SERVICE ID # 03221610

The mission of the Future Problem Solving Program International, Inc. (FPSPI) course is to teach gifted/talented and other high achieving students to design positive futures through the creative problem solving process by developing awareness of the future, improving teamwork skills, sharpening communication skills, exercising critical thought, exploring complex societal issues, and extending research techniques. Some students may choose to explore options for their own future through job shadowing opportunities with professional mentors. Students will complete an independent study during the spring semester and produce a related advanced product. (Pre-requisite: Gifted & Talented Identification and Advanced/AP students; every student must complete an application. Students enrolling in **FPS II** or **FPS III** must have completed **FPS I** or **FPS II**, respectively.) This course is an advanced course and receives weighted credit. For more information, see <http://www.fpspi.org/index.html>

072 Creative Writing (Grade 12; 1 credit)^{NCAA} SERVICE ID # 03221200

Creative Writing is an elective writing course that can be either one semester or one full year, depending upon the student's preference. This is a course that is aimed in guiding students who are familiar with the writing process and have on level writing abilities. This is a course that will study all forms of literature from the poetic beginnings of writing to the current dystopian themed literature that is used in young adult fiction. Students will become familiar with many different genres of literature that are not covered in a typical high school English class. Some genres include: Dystopian, Utopian, Screenwriting/Playwriting, Science-Fiction, Fantasy, and many others.

650 Public Speaking (Grade 12; ½ Credit) SERVICE ID # 03240900

Application of communication theory and practice to the public speaking context, with emphasis on audience analysis, speaker delivery, ethics of communication, cultural diversity, and speech organizational techniques to develop students' speaking abilities, as well as ability to effectively evaluate oral presentations. Prerequisites: TSIA2 945-990 ELAR/CRC test AND 5 or higher on Essay.

651 Interpersonal Communications (Grade 12; ½ Credit)**SERVICE ID # 13009900**

Application of communication theory to interpersonal relationship development, maintenance, and termination in relationship contexts including friendships, romantic partners, families, and relationships with co-workers and supervisors. Prerequisites: TSIA2 945-990 ELAR/CRC test AND 5 or higher on Essay.

656 Oral Interpretation I (Grades 9-12; 1 Credit) (TCHS Only)**SERVICE ID # 03240200**

In Oral Interpretation, students examine the oral reading and presentation of literary texts as a communication art. They select, research, analyze, adapt, interpret, and perform pieces from various literary texts and are evaluated in both individual and group performances. Involvement in this course provides students the opportunity to compete in University Interscholastic League (UIL), Texas Forensics League (TFA), and National Speech and Debate Association (NSDA) contests. Students would be expected to attend speech tournaments throughout the year; three in the fall semester and volunteer to work at the annual Texas City Speech and Debate Tournament in the spring. Prospective students should like reading, public speaking, performing, and expect to spend time on outside reading and related extended activities, including research. (Pre-requisite: Application, Member of the Texas City High School Forensic team & Teacher Approval.)

Journalism Course Descriptions

662 Journalism (Grades 9-12; 1 credit)^{NCAA}**SERVICE ID # 03230100**

Students learn to write news articles, feature stories and editorials. They learn the basics of photography, layout and design.

664 Advanced Journalism/Yearbook 1 (Grades 9-12; 1 Credit)**SERVICE ID # 03230110****667 Advanced Journalism/Yearbook 2 (Grades 9-12; 1 Credit)****SERVICE ID # 03230120****668 Advanced Journalism/Yearbook 3 (Grades 9-12; 1 Credit)****SERVICE ID # 03230130**

Students plan, design and produce the school yearbook. Responsibilities include interviewing, writing stories, taking photos, designing pages, selling ads and marketing the yearbook. Some after school work is required, especially for photographers. Students should be self-motivated and able to meet publication deadlines. (Pre-requisite: Application & Teacher Approval)

665 Advanced Journalism/Newspaper 1 (Grades 9-12, 1 Credit) (TCHS Only)**SERVICE ID # 03230140****669 Advanced Journalism/Newspaper 2 (Grades 9-12, 1 Credit) (TCHS Only)****SERVICE ID # 03230150****672 Advanced Journalism/Newspaper 3 (Grades 9-12, 1 Credit) (TCHS Only)****SERVICE ID # 03230160**

Students plan, design and produce the school newspaper. Primary responsibilities are interviewing and writing stories. Some photography and page design is required. Students should be self-motivated and able to meet publication deadlines. (Pre-requisite: Application and Teacher Approval)

670 Independent Study in Journalism (Journalism I) (Grades 10-12, ½-1 Credit) SERVICE ID # 03231000**673 Independent Study in Journalism (Journalism II) (Grades 10-12, ½-1 Credit) SERVICE ID # 03231011****674 Independent Study in Journalism (Journalism III) (Grades 10-12, ½-1 Credit) SERVICE ID # 03231022**

This class is for editors and team leaders of the yearbook and newspaper classes. Members of the UIL Journalism Team may also take this class. *This course may be taken as the 4th English/Language Arts credit for the FHSP.* (Pre-requisite: Teacher Approval)

675 Photojournalism (Grades:10-12; 1/2 Credit) (TCHS Only)

SERVICE ID # 03230800

Photojournalism is a course designed to introduce students to the basic principles of photography and to provide them with opportunities to apply those skills to the more specific practice of journalistic photography. Although the class will cover core concepts associated with traditional SLR and print photography (composition, focus, exposure, etc.), the student's practical experience will be exclusively with digital photography and its applications to the field of journalism. The photos students take during the school year may appear in the school publications.

Mathematics Department

Course Recommendation Chart

This chart indicates recommended course sequences for grade 9 through 12.
It is strongly suggested that the both student and parent/guardian consult with student's counselor and mathematics teacher in order to determine the most appropriate course choice and sequence.

Current Year's Math Course	Next Year's Math Course
8 th Grade Math	Algebra I Algebra I Advanced
8 th Algebra I	Geometry Advanced Geometry
Algebra I	Geometry Geometry Advanced Algebraic Reasoning (EOC Remediation)
Geometry	Algebra II Math Models with Applications
Geometry Advanced	Algebra II OnRamps College Algebra Math Models with Applications
Algebraic Reasoning	Geometry
Math Models with Applications	Algebra II College Prep Math Statistics
Algebra II	Pre-Calculus College Prep Math MATH 1314 Statistics
Algebra II Advanced	Pre-Calculus Advanced OnRamps Pre-Calculus Pre-Calculus College Prep Math MATH 1314 Statistics
OnRamps College Algebra	Pre-Calculus Advanced OnRamps Pre-Calculus Pre-Calculus College Prep Math MATH 1314 Statistics
Pre-Calculus	MATH 1314 OnRamps College Algebra AP Calculus AB College Prep Math Statistics
Pre-Calculus Advanced	AP Calculus AB OnRamps College Algebra College Prep Math Statistics

Course Descriptions

107 Algebra I (Grades 9-11; 1 Credit)^{NCAA}

SERVICE ID # 03100500

In Algebra I, topics covered include the number system, functionality, combining and factoring polynomials, solving and graphing linear equations and inequalities, solving and graphing systems of linear equations and inequalities, and solving and graphing basic quadratic equations. Graphing calculators are used to increase students' understanding by comparing algebraic and graphical representations. Students must meet end-of-course requirements. *This course is REQUIRED (or Algebra I Advanced) for the FHSP.*

109 Algebra I Advanced (Grades 9-11; 1 Credit)^{NCAA}

SERVICE ID # 03100500

In Algebra I Advanced, topics covered include the number system, functionality, combining and factoring polynomials, solving and graphing linear equations and inequalities, and solving and graphing basic quadratic equations. Algebra I Advanced will build on your foundation of basic algebra to be able to solve real life application problems. Graphing calculators are used to increase students' understanding by comparing algebraic and graphical representations. It is assumed that each student is planning on taking Pre-Calculus, Statistics, or College Algebra, and has aspirations for college or technical training beyond high school. Students are assigned projects that stress real-world application of the material. Students must meet end-of-course requirements. *This course is REQUIRED (or Algebra I) for the FHSP.*

110 Geometry (Grades 9-12; 1 Credit)^{NCAA}

SERVICE ID # 03100700

In Geometry, students continue to build on the foundations of concepts learned in grades K-8. Topics covered include angles, similarity and congruence, transformations, informal proof, perimeter, area and volume. Students will use geometric thinking to understand mathematical concepts and the relationships among these concepts. They will study properties and relationships having to do with size, shape, location, direction, and orientation of geometric figures. In addition, they will perceive the connection between geometry and the real and mathematical worlds and use the geometric ideas, relationships and properties to solve problems. Students will use a variety of representations, tools, and technology to solve meaningful problems by representing and transforming figures and analyzing relationships. Finally, students will use multiple representations, technology, applications and modeling, and numerical fluency in problem solving contexts and real-world application. *This course is REQUIRED (or Geometry Advanced) for the FHSP. (Pre-requisite: Algebra I)*

121 Geometry Advanced (Grades 9-12; 1 Credit)^{NCAA}

SERVICE ID # 03100700

In Geometry Advanced, students continue to build on the foundations of concepts learned in grades K-8. Topics covered include angles, similarity and congruence, transformations, informal proof, perimeter, area and volume. Students will use geometric thinking to understand mathematical concepts and the relationships among these concepts. They will study properties and relationships having to do with size, shape, location, direction, and orientation of geometric figures. In addition, they will perceive the connection between geometry and the real and mathematical worlds and use the geometric ideas, relationships and properties to solve problems. Students will use a variety of representations, tools, and technology to solve meaningful problems by representing and transforming figures and analyzing relationships. Finally, students will use multiple representations, technology, applications and modeling, and numerical fluency in problem solving contexts. Students are assigned projects that stress real-world application of the material. *This course is REQUIRED (or Geometry) for the FHSP. (Pre-requisite: Algebra I)*

111 Algebra II (Grade 10-12; 1 Credit)^{NCAA}**SERVICE ID # 03100600**

The Algebra II curriculum serves as the primary foundation of future mathematics courses. Content is designed to extend the concepts presented in Algebra I and Geometry and to explore additional algebraic topics in the areas of linear and quadratic relations and functions and their inverses, linear and quadratic inequalities, matrices, absolute value functions, exponential and logarithmic functions, complex numbers, polynomials and polynomial functions, rational functions. *This course may be taken as the 3rd math credit for the FHSP or the 4th math credit to meet Endorsement requirements. **Algebra II** is **REQUIRED** for the STEM Endorsement Pathway and **MUST** be taken to be eligible for Top 10% Designation for Automatic College Admission. (Pre-requisite: **Algebra I & Geometry**)*

141 Algebraic Reasoning (9-12: 1 Credit)**SERVICE ID # 03102540**

In Algebraic Reasoning, students will continue with the development of mathematical reasoning related to algebraic understandings and processes and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness.

126 Mathematical Models with Application (Grades 10-12; 1 Credit)**SERVICE ID # 03102400**

Math Models offers students the opportunity to continue to build on experiences and mathematical knowledge from their foundations in Algebra and Geometry, in order to expand the connections to other disciplines, to develop problem solving skills, and to apply their knowledge to the real-world skills needed to manage personal finances. Its purpose is to engage students in activities that allow them to gain a deeper understanding of mathematical concepts that can be useful to them by understanding the way mathematics relates to decisions they must make and to the analysis of information that confronts them in Algebra II. Activities are designed to benefit a wide variety of student abilities and interests, utilizing techniques that lead them to investigate higher-level mathematical concepts, using current and relevant data and technology. *This course may be taken as the 3rd math credit for the FHSP or the 4th math credit to meet Endorsement requirements. (Pre-requisite: **Algebra I**)*

112 Pre-Calculus (Grades 11-12; 1 Credit)^{NCAA}**SERVICE ID # 03101100**

Pre-Calculus offers a rigorous college-preparatory course stresses the functional and algebraic approaches to linear, quadratic, polynomial, rational, exponential and logarithmic functions. Also covered are conic sections, polar coordinates, recursion and sequences and series. There is an in-depth study of trigonometry from a geometric, graphical and functional approach. Real-world application is a unifying theme. *This course may be taken as the 4th math credit to meet Endorsement requirements. (Pre-requisites: **Geometry** and **Algebra II**)*

114 OnRamps Pre-Calculus (Grades 11-12: 1 Credit)^{NCAA}**SERVICE ID # 03101100**

OnRamps Pre-Calculus is a dual enrollment course with the University of Texas at Austin. Students will complete their fourth math credit while earning MATH 2313 credit from UT. Students will be enrolled in in a high school course that meets daily with a high school teacher where they will earn a high school grade. This teacher is there to support students as they complete their UT college course work via virtual instruction. This two-semester, 3 college credit course will deepen and extend student knowledge of functions, graphs, and equations from their high school algebra and geometry course so they can successfully work with the concepts in a rigorous university-level calculus course. This 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. (Pre-requisites: **Algebra II** and successful passed the Algebra I EOC.)

123 AP Calculus AB (Grade 12; 1 Credit)^{NCAA}**SERVICE ID # A3100101**

AP Calculus covers the topics of elementary functions, differential calculus and integral calculus. Students who enroll in AP Calculus AP should have a thorough knowledge of algebra, geometry, coordinate geometry, and trigonometry as well as advanced topics in algebra, trigonometry, analytic geometry, and elementary functions. The course is primarily concerned with an intuitive understanding of the concepts of calculus with emphasis on methods and applications. The term is spent on topics in differential and integral calculus, which will prepare the students for the College Board Advanced Placement test in Calculus AB. The use of current technology as problem-solving and discovery tools will be integrated throughout the course whenever possible. *This course may be taken as the 4th math credit to meet Endorsement requirements and will meet the requirements for the STEM (C) “Math Option” and the Multidisciplinary Studies (C) “Four AP Core Option” Endorsement Pathways.* (Pre-requisite: **Pre-Calculus**)

129 College Prep Math (Grades 11-12; 1 Credit)**SERVICE ID # CP111200**

This course is taught in a partnership with College of the Mainland and will follow their course outline to prepare students for MATH 1314 or 1342. This course is designed to develop skills and understanding in the following areas: equations, graphing, exponents, polynomials, factoring, radicals, and systems of linear equations, relation, and functions, inequalities, algebraic expressions and equations (absolute value, polynomial, radical, and rational), with a special emphasis on linear and quadratic expressions and equations. Students earning a passing grade in both semesters and passing the final exam with a minimum score of 64 will fulfill the TSI requirements for TSI in mathematics. (Pre-requisites: **Algebra I**, **Geometry**, and successful completion of the Algebra I EOC.)

136 MATH 1314. College Algebra (Grade 12; ½ Credit)^{NCAA} (2nd Semester)**SERVICE ID # 0310250**

College Algebra provides an in-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. *This course may be taken as the 4th math credit to meet Endorsement requirements.* (Pre-requisite: MATH 0320 grade “C” or better or CPT College MATH 45 or 270 or better on the Math portion of the TSI.)

137 MATH 1316. Trigonometry (Grade 12; ½ Credit)^{NCAA}**PEIMS 03101100**

In-depth study and applications of trigonometry including definitions, identities, inverse functions, solutions of equations, graphing and solving triangles. Additional topics such as vectors, polar coordinates and parametric equations may be included. (Prerequisites: COM Math Placement Test. Pre/Co-requisite: **MATH 1314**)

138 MATH 2412. Pre-Calculus (Grade 12; ½ Credit)^{NCAA}**PEIMS 03101100**

In-depth combined study of algebra, trigonometry, and other topics for calculus readiness. (Prerequisites: Math 1314 and Math 1316 grade “C” or better or COM Math Placement Test)

139 MATH 2413. Calculus I (Grade 12; ½ Credit)^{NCAA}**PEIMS 03102501**

Limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem, and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas. (Prerequisite: MATH 2412 with a grade of “C” or better, or COM Placement Test)

155 OnRamps College Algebra (Grades 11-12: 1 Credit)^{NCAA}**SERVICE ID # 03100600**

OnRamps College Algebra is a dual enrollment course with the University of Texas at Austin. Students will complete their fourth math credit while earning MATH 1314 credit from UT. Students will be enrolled in a high school course that meets daily with a high school teacher where they will earn a high school grade. This teacher is there to support students as they complete their UT college course work via virtual instruction. This two-semester, 3 college credit course is designed for students to deepen their critical thinking skills and develop their ability to persist through challenges as they explore function families. Students will analyze data algebraically and with technology while developing their knowledge of properties of function, atrices, and

systems of equations, and complex numbers. (Pre-requisites: **Algebra I, Geometry**, and successful completion of the Algebra I EOC. This course satisfies an Algebra II credit.)

156 OnRamps Statistics (Grades 12: 1 Credit)^{NCAA}

SERVICE ID # 03102530

OnRamps Statistics is a dual enrollment course with the University of Texas at Austin. Students will complete their fourth math credit while earning statistics credit from UT. Students will be enrolled in a high school course that meets daily with a high school teacher where they will earn a high school grade. This teacher is there to support students as they complete their UT college course work via virtual instruction. This two-semester, 3 college credit course is designed for students to deepen their critical thinking skills and develop their ability to persist through challenges as they explore data analysis. Students will analyze data statistically, develop quantitative reasoning skills, and explore statistical methodologies through hands-on lab activities. (Pre-requisites: **Algebra I, Geometry, Algebra II**, and successful completion of the Algebra I EOC.)

Science Department

Course Recommendation Chart

This chart indicates recommended course sequences for grade 9 through 12.

It is strongly suggested that the both student and parent/guardian consult with student's counselor and science teacher in order to determine the most appropriate course choice and sequence.

Current Year's Science Course	Next Year's Science Course
8 th Grade Science	Biology
8 th Grade Science Advanced	Biology Advanced Biology
Biology	Integrated Physics & Chemistry (IPC) Chemistry Physics Environmental Systems
Biology Advanced	Chemistry Advanced OnRamps Chemistry I Chemistry Physics
Integrated Physics & Chemistry (IPC)	Chemistry Physics Environmental Systems
Environmental Systems	Chemistry Physics Forensics Food Science
Chemistry	Physics Environmental Systems Forensic Science Food Science
Chemistry Advanced or OnRamps Chemistry I	AP Biology AP Chemistry Environmental Systems Forensic Science
Physics	Environmental Systems Anatomy & Physiology Forensic Science Medical Microbiology & Pathophysiology AP Biology AP Chemistry
OnRamps Physics	AP Biology AP Chemistry Anatomy & Physiology Medical Microbiology & Pathophysiology Forensic Science

Safety is critical in all laboratory and investigative sciences. Students must know safe practices in the class room, the laboratory and field investigations. Safety rules and guidelines that have been established by the State of Texas and other national organizations will be followed to ensure a safe learning environment. The rules and guidelines include the proper

handling and storage of chemicals, the use and care of equipment and materials, the proper use of personal safety equipment, the appropriate working space and class sizes. Students will be required to maintain a bound composition notebook as a laboratory notebook.

Course Descriptions

205 Biology (Grade 9, 1 Credit)^{NCAA}

SERVICE ID # 03010200

In Biology, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. Students in Biology study a variety of topics that include: structures and functions of cells and viruses, biological evolution, taxonomy, metabolism and energy transfers in living systems, homeostasis, ecosystems, plants, and the environment. It incorporates the skills of biology as well as meeting the required End of Course Biology objectives for science. Students will be required to maintain a bound composition notebook as a laboratory notebook. *This course is REQUIRED (or **Biology Advanced**) for the FHSP.*

207 Biology Advanced (Grade 9, 1 Credit)^{NCAA}

SERVICE ID # 0301020

The concepts are similar to the regular Biology course but are taught on a higher level and in more detail. Students will be exposed to aspects of biochemistry, cell biology, genetics, biotechnology, evolution, ecology, taxonomy, and human systems. Integral to this course is a field and laboratory program that stresses accurate observations, data collection, analysis, critical thinking and problem-solving skills, as well as manipulation of laboratory equipment. Independent projects and outside reading are required for completion of this course. It incorporates the skills of biology as well as meeting the required End of Course objectives for Biology. Students will be required to maintain a bound composition notebook as a laboratory notebook. *This course is REQUIRED (or **Biology**) for the FHSP.* (Pre-requisite: 88 or higher in 8th grade Science and satisfactory 8th grade STAAR score.)

202 Integrated Physics and Chemistry (IPC) (Grades 10-12, 1 credit)^{NCAA}

SERVICE ID # 030602

This science course is a lab-oriented course which emphasizes science process skills, lab skills, and scientific thinking. It incorporates the basic skills of chemistry and physics. The use of mathematical skills, measurement skills, periodic table chart, basic science equipment, and laboratory safety are applied in this course. Students will be required to maintain a bound composition notebook as a laboratory notebook. *This course may be taken as the 3rd science credit for the FHSP or the 4th science credit to meet Endorsement requirements.* (Pre-requisite: **Biology**)

208 Chemistry (Grades 10-12, 1 Credit)^{NCAA}

SERVICE ID # 03040000

This course requires strong basic algebra skills, self-motivation, and good organizational skills in order to be successful. Material to be studied will include an introduction to basic chemical concepts and the interaction of matter. Active participation in laboratory procedures and lab reports are required. Students will be required to maintain a bound composition notebook as a laboratory notebook. *This course may be taken as the 3rd science credit for the FHSP and/or the 4th science credit for an Endorsement Pathway and is REQUIRED (or **Chemistry Advanced**) for the STEM Endorsement Pathway.* (Pre-requisite: **Biology, Algebra I** and completion or concurrent enrollment in **Geometry** or higher mathematics)

209 Chemistry Advanced (Grades 10-12, 1 Credit)^{NCAA}

SERVICE ID # 03040000

This course is for students who excel in science and math courses. It is designed to be an introduction to chemistry for those students preparing themselves for studies at a 4-year college and/or the Advanced Placement Sciences. It is strongly advised that Chemistry Advanced be the sophomore science if the student plans to take an AP science course in high school. Extensive mathematical problem-solving will be included, and therefore a strong math foundation, especially algebra, is critical for success. In addition to greater depth in

the topics in Chemistry I, oxidation-reduction, net ionic equations, and introductory organic chemistry are covered. Students will be required to maintain a bound composition notebook as a detailed laboratory notebook. *This course may be taken as the 3rd science credit for the FHSP and/or the 4th science credit for an Endorsement Pathway and is REQUIRED (or Chemistry) for the STEM Endorsement Pathway.* (Pre-requisite: at least one (1) science credit AND Algebra I)

255 OnRamps Chemistry I (Grades 11-12, 1 Credit)^{NCAA}

SERVICE ID # 03040000

OnRamps Chemistry is a dual enrollment course with the University of Texas at Austin. Students will complete their science credit while earning CHEM 301 credit from UT. Students will be enrolled in a high school course that meets daily with a high school teacher where they will earn a high school grade. This teacher is there to support students as they complete their UT college course work via virtual instruction. This two-semester, 4 college credit course will address the nature of matter, energy, chemical reactions, and chemical thermodynamics. Through 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. (Pre-requisite: at least one (1) science credit AND Algebra I)

218 Physics (Grades 11-12, 1 Credit)^{NCAA}

SERVICE ID # 03050000

In Physics, the students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem-solving. Students study a variety of topics that include: laws of motion, changes with physical systems and conservations of energy and momentum, force, thermodynamics, characteristics and behavior of waves, light, electricity and magnetism, and quantum physics. Students will be required to maintain a bound composition notebook as a laboratory notebook. *This course may be taken as the 3rd science credit for the FHSP and/or the 4th science credit for an Endorsement Pathway and is REQUIRED (or AP Physics 1 or AP Physics 2) for the STEM Endorsement Pathway.* (Pre-requisite: Two years of high school science; Concurrent enrollment in Algebra II or higher mathematics)

206 AP Biology (Grades 11-12, 1 Credit)^{NCAA}

SERVICE ID # A301020

AP Biology is to be taken by students after successful completion of Biology and Chemistry. It is equivalent to 2 semesters of college Biology focusing on molecules and cells (25%), heredity and evolution (25%), organisms and populations (50%). This course differs significantly from the usual first high school course in Biology with respect to the textbook used, the range and depth of topics covered, the type of laboratory work done, and the time and effort required of the students. Upon successful completion of this course in May, students will be expected to sit for the Advanced Placement Biology exam for possible college credit. *This course may be taken as the 4th science to meet Endorsement requirements and will meet the requirements of the Multidisciplinary Studies "AP Core Option" Endorsement Pathway.* (Pre-requisite: **Biology, Chemistry** and satisfactory performance on the Biology EOC)

211 AP Chemistry (Grades 11-12; 1 Credit)^{NCAA}

SERVICE ID # A3040000

This course is the equivalent of a college-level freshman inorganic chemistry course. Topics will include, but not be limited to: periodicity, quantum mechanics, equilibrium, and thermodynamics. The topics covered will require extensive problem-solving and algebraic manipulations. The course curriculum will comply with the minimum standards set forth by the College Board. These standards can be found at www.collegeboard.com. This course is strongly recommended for those students who plan to major in science, engineering, or pre-med, in college and are planning on attending a 4-year university. A strong algebra math foundation is essential for success. A detailed laboratory report notebook will be required. Upon successful completion of this course in May, students will be expected to sit for the Advanced Placement Chemistry exam for possible college credit. *This course may be taken as the 4th science to meet Endorsement requirements and will meet the requirements*

of the Multidisciplinary Studies “AP Core Option” Endorsement Pathway. (Pre-requisite: Satisfactory performance on the Biology EOC and concurrent enrollment in or completion of **Algebra II**)

220 Environmental Systems (Grades 10–12, 1 Credit)^{NCAA}

SERVICE ID # 03020000

In Environmental Systems, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments. *This course may be taken as the 3rd science credit for the FHSP and/or the 4th science credit for an Endorsement Pathway.* (Pre-requisites: **Biology**)

258 OnRamps Physics (Grades 11-12, 1 Credit)^{NCAA}

SERVICE ID # 03050000

OnRamps Chemistry is a dual enrollment course with the University of Texas at Austin. Students will complete their science credit while earning PHYS 1301 credit from UT. Students will be enrolled in a high school course that meets daily with a high school teacher where they will earn a high school grade. This teacher is there to support students as they complete their UT college course work via virtual instruction. This two-semester, 3 college credit course will introduce big ideas in physics, such as Newtonian mechanics, which describes objects changing their state of motion because of forces causing them to accelerate. Taken together, the topics of Mechanics, Heat, and Sound, reinforce the general idea that the behavior of many objects in the world can be described precisely with simple mathematics. (Pre-requisites: **Biology**, satisfactory performance on the Biology EOC, 2nd science credit and concurrent enrollment in or completion of **Algebra II**.)

227 Aquatic Science (Grades 11-12, 1 Credit)^{NCAA} (TCHS Only)

SERVICE ID # 03030000

In Aquatic Science, students study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Investigations and field work in this course may emphasize fresh water or marine aspects of aquatic science depending primarily upon the natural resources available for study near the school. Students who successfully complete Aquatic Science will acquire knowledge about a variety of aquatic systems, conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical-thinking and problem-solving skills. Independent projects and outside reading are required for completion of this course. *This course may be taken as the 3rd science credit for the FHSP and/or the 4th science credit for an Endorsement Pathway.* (Pre-requisites: **Biology**, and completion or concurrent enrollment in **Chemistry**)

238 Earth and Space Science (Grades 11-12, 1 Credit)^{NCAA} (TCHS Only)

SERVICE ID # 03060200

ESS is a capstone course designed to build on students' prior scientific and academic knowledge and skills to develop understanding of Earth's system in space and time. ESS has three strands used throughout each of the three themes: systems, energy, and relevance. Earth's system is composed of interdependent and interacting subsystems of the geosphere, hydrosphere, atmosphere, cryosphere, and biosphere within a larger planetary and stellar system. Change and constancy occur in Earth's system and can be observed, measured as patterns and cycles, and described or presented in models used to predict how Earth's system changes over time. The uneven distribution of Earth's internal and external thermal energy is the driving force for complex, dynamic, and continuous interactions and cycles in Earth's subsystems. The interacting components of Earth's system change by both natural and human-influenced processes. *This course may be taken as the 3rd science credit for the FHSP and/or the 4th science credit for an Endorsement Pathway.* (Pre-requisites: three (3) science credits and three (3) math credits, or concurrent enrollment)

240 Food Science (Grades 11-12, 1 Credit)**SERVICE ID # 13023000**

In Food Science students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. Students must meet the 40% laboratory and fieldwork requirement. *This course satisfies a high school science graduation requirement.* (Pre-requisites: three (3) science credits, including Biology and IPC)

7715 Medical Microbiology (Grade 12, Semester 1; ½ Credit)^{NCAA} (TCHS Only)**SERVICE ID # 13020700**

Students in Medical Microbiology explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. *This course may be taken as ½ of the 3rd science credit for the FHSP or ½ of the 4th science credit for the STEM Endorsement for the DAP as long as Physics is one of the four science courses.* (Pre-requisite: 3 science credits and passing scores on Biology EOC exam.) This course is part of a two (2) course sequence with **Pathophysiology** listed below and will only be offered in the fall semester.

7716 Pathophysiology (Grade 12, Semester 2; ½ Credit)^{NCAA} (TCHS Only)**SERVICE ID # 13020800**

In Pathophysiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. *This course may be taken as ½ of the 3rd science credit for the FHSP or ½ of the 4th science credit for the STEM Endorsement for the DAP as long as Physics is one of the four science courses.* (Pre-requisite: **Medical Microbiology**, 3 science credits and passing scores on Biology EOC exam.) This course is part of a two (2) course sequence with **Medical Microbiology** listed above and will only be offered in the spring semester.

7726 Robotics Programming and Design I (Grades 10-12; 1 Credit)**SERVICE ID # 13037200**

Robotics Programming and Design is designed to introduce students to the fundamentals of robotics programming. Students will design, build, and program a robot that can complete specified tasks. They will learn the fundamentals of the RobotC programming language to develop high quality, working software that solves real problems. This course is part of a CTE Coherent Sequence of courses that meet the requirements of the STEM “Technology Option” Endorsement Pathway. This course may be taken as the 3rd science credit for the FHSP or the 4th science credit for the STEM Endorsement for the DAP as long as Physics is one of the four science courses. (Pre-requisite: Algebra I, one (1) science credit, Application Process and Teacher Approval)– See TEKS 126.40

7742 Anatomy and Physiology (A&P) (Grades 12, 1 Credit)^{NCAA}**SERVICE ID # 13020600**

Students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. Topics will be presented through the integration of biology, chemistry, and physics. Students will study the structures and functions of the human body and body systems. Students will investigate the body’s responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. Outside research will be required. *This course may be taken as the 3rd science credit for the FHSP and/or the 4th science credit for an Endorsement Pathway.* (Pre-requisite: **three (3) science credits** and passing scores on Biology EOC exam.) **Weighted points will be awarded.**

7791 Engineering Science (Principles of Engineering POE) (Grades 10-12; 1 Credit) SERVICE ID # 13037500

Students employ engineering and scientific concepts in the solution of engineering design problems. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. *This course may be taken as the 3rd science credit for the FHSP or the 4th science credit for the STEM Endorsement for the DAP as long as Physics is one of the four science courses.* (Pre-requisite: **IED, Biology, and Geometry**) *Weighted points will be awarded. This course qualifies for Dual Credit through UT Tyler (see Teacher)*

7828 Forensic Science (Grades 11-12, 1 Credit)^{NCAA} SERVICE ID # 13029500

This course uses a structured and scientific approach to the investigation of crimes and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes. Students will learn the history, legal aspects, and career options for forensic science. Outside research will be required. Students will be required to maintain a bound composition notebook. *This course may be taken as the 3rd science credit for the FHSP and/or the 4th science credit for an Endorsement Pathway.* (Pre-requisites: **Biology and Chemistry**)

7826 Forensic Science II (Grade 12; 1 Credit) (Scientific Research and Design SERVICE ID # 13037210

Forensic Science II is a continuation of Forensic Science I. This is a lab-based course that will explore advanced forensic science topics that build upon the basic techniques learned in Forensics I. The course will focus on specific forensic fields such as, physical trauma, death investigations, forensic psychology, forensic anthropology, and crime and accident reconstruction. In depth group and individual projects will be the core of this course. Students will gain the knowledge and ability to problem-solve given case studies by gathering information to define a problem clearly, test hypotheses, and evaluate the results of investigations and synthesize all information to form a conclusion. The dissection of a fetal pig will be required for the advanced study of death. *This course satisfies a Science credit requirement for the Foundation High School Program.* (Pre-requisites: **Biology, Chemistry, and Forensic Science I**)

Social Studies Department

Course Recommendation Chart

This chart indicates recommended course sequences for grade 9 through 12.
It is strongly suggested that the both student and parent/guardian consult with student's counselor and social studies teacher in order to determine the most appropriate course choice and sequence.

Current Year's Social Studies Course	Next Year's Social Studies Course
8 th Grade Social Studies	World Geography AP Human Geography World History World History Advanced
8 th Grade Social Studies Advanced	World History World History Advanced
World History World History Advanced	United States History OnRamps US History AP US History HIST 1301/HIST 1302
United States History OnRampus United States History AP United States History HIST1301/HIST1302	World Geography AP Human Geography Government/Economics GOVT 2301/ECON 2301 AP US Government/AP Macroeconomics
World Geography AP Human Geography	HIST 1301/HIST 1302 AP United States History AP Human Geography World Geography
AP United States History	World Geography AP Human Geography AP US Government/AP Macroeconomics GOVT 2301/ECON 2301 Government/Economics
HIST 1301/HIST 1302	GOVT 2301/ECON 2301 AP US Government/AP Macroeconomics Government/Economics

Course Descriptions

305 World Geography Studies (Grade 11-12; 1 Credit)^{NCAA}

SERVICE ID # 03320100

World Geography focuses on the physical, political, and cultural aspects of geography. *This yearlong course (or AP Human Geography) is REQUIRED for the Arts & Humanities Endorsement Pathway.*

313 AP Human Geography* (Grades 11-12; 1 Credit)^{NCAA}

SERVICE ID # A3360100

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organizations and its environmental consequences. They also learn about methods and tools geographers use in their research and application.

This yearlong course may be taken as the 3rd social studies credit for the FHSP, is REQUIRED to meet the requirements for the Arts & Humanities "AP Social Studies Option" Endorsement Pathway and will meet the requirements of the Multidisciplinary Studies "AP Core Option" Endorsement Pathway.

306 World History Studies (Grades 9; 1 Credit)^{NCAA}

SERVICE ID # 03340400

World History covers the history of mankind from prehistoric times to the 20th Century. The course is designed to show the world in all its inter-relationships rather than as isolated nations, with content emphasis placed on historical, cultural, and economic aspects of nations. *This yearlong course (or Advanced/AP World History) is REQUIRED for the Arts & Humanities Endorsement Pathway.*

310 World History Advanced (Grades 9; 1 Credit)^{NCAA}

SERVICE ID # 03340400

Students investigate continuity and change in the human experience, exploring great traditions that have developed around the world. This class includes content of the standard World History course but is adapted so that content is presented in greater depth allowing students to use tools and methods of historians to analyze issues in world history. Students are required to participate in extended reading, writing, and research activities that integrate topics from the social sciences, art, music, literature, and science. Students in this course are preparing for Advanced Placement Social Studies courses such as AP U.S. History or other college level work offered through TCISD.

312 AP World History: Modern (Grades 11-12; 1 Credit)

SERVICE ID # A3370100

AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. *This yearlong course may be taken as the 3rd social studies credit for the FHSP, is REQUIRED to meet the requirements for the Arts & Humanities "AP Social Studies Option" Endorsement Pathway and will meet the requirements of the Multidisciplinary Studies "AP Core Option" Endorsement Pathway.*

307 United States History Studies since 1877 (Grades 10; 1 Credit)^{NCAA}

SERVICE ID # 0334010

U.S. History is a survey of the history of the United States from the Civil War/Reconstruction period to the present day. It is a chronological study of the growth and development of the American people and their political, social, cultural and economic institutions. Emphasis is placed on the American way of life and how it developed. *This course is REQUIRED (or OnRamps US History/AP US History) for the FHSP. (Pre-requisite: World Geography or World History)*

355 OnRamps US History (Grades 10; 1 Credit)^{NCAA}**SERVICE ID # 03340100**

OnRamps US History is a dual enrollment course with the University of Texas at Austin. Students will complete their high school US History credit while earning HIS 1301 and HIS 1302 credit from UT. Students will be enrolled in a high school course that meets daily with a high school teacher where they will earn a high school grade. This teacher is there to support students as they complete their UT college course work via virtual instruction. This two-semester, six credit course allows students to 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. (Co/Pre- Requisite: **English II**)

316 AP United States History (Grades 10; 1 Credit)^{NCAA}**SERVICE ID # A3340100**

The AP United States History course prepares students to take the AP exam for college credit. It covers American history in its entirety. Extensive outside reading and research is required. Students will be working with original sources, debating controversial issues in American history. They will be expected to become familiar with major historians and historical revisions. They may be expected to produce history projects or work with local historical societies. Outside papers are assigned and essay tests are given. *This course is REQUIRED (or **United States History Studies Since 1877**) for the FHSP and is REQUIRED to meet the requirements for the Arts & Humanities "AP Social Studies Option" Endorsement Pathway and will meet the requirements of the Multidisciplinary Studies "AP Core Option" Endorsement Pathway.*

(Pre-requisite: **World Geography** or **World History**)

HIST 1301/HIST 1302 United States History (Grades 10-12; 1 Credit)^{NCAA}**SERVICE ID # 03340100**

328A HIST 1301. US History I - A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism and the Civil War/ Reconstruction eras. Themes that may be addressed in United States History I include American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration and creation of the federal government. Credit by examination is available. (Prerequisite: CPT Reading 78/READ 0370)

328B HIST 1302. US History II^{NCAA}

A survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government and the study of U.S. foreign policy. Credit by examination is available. (Prerequisite: CPT Reading 78/READ 0370)

308 United States Government (Grades 11-12; ½ Credit)^{NCAA}**SERVICE ID # 03330100**

This course traces the foundation and development of U.S. political thought. Emphasis is placed on the Constitution and the three branches of government. The course includes an overview of civil liberties and a study of the Texas Constitution. *This course is REQUIRED (or **AP US Government**) for the FHSP.* (Pre-requisite: **US History**)

319 AP U.S. Government and Politics (Grades 11-12; ½ Credit)^{NCAA} SERVICE ID # A3330100

This course includes both the study of general concepts used to interpret U.S. Government and politics and the analysis of specific examples. It also requires familiarity with various institutions, groups, beliefs, and ideas that constitute U.S. Government politics. Students should come acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Activities may include but are not limited to notebooks on elections, mock elections, communications with elected officials, and an interview with an attorney accompanied by an oral report. At the end of this course students will be expected to take the Advanced Placement test. Students will only be able to count the AP course as a Distinguished Achievement measure if they make a score of 3 or higher on the AP test. Differentiated instruction will be provided for GT students in this course. *This course is REQUIRED (or US Government) for the FHSP and is REQUIRED to meet the requirements for the Arts & Humanities “AP Social Studies Option” Endorsement Pathway and will meet the requirements of the Multidisciplinary Studies “AP Core Option” Endorsement Pathway.* (Pre-requisite: **World Geography or World History and US History**)

320 GOVT 2305. Federal Government (Grades 11-12; ½ Credit)^{NCAA} SERVICE ID # 03310100

Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights. Prerequisite: CPT Reading 78/ READ 0370.

309 Economics (Free Enterprise System & its Benefits) (Grades 11-12; ½ Credit)^{NCAA} SERVICE ID # 03310300

Principles of economics are covered with emphasis on the free enterprise system. The role of the government in our economy is examined as is the role of the individual. One goal is to develop an improved economics vocabulary in order to create informed participation in economic and political decisions. *This course is REQUIRED (or AP Macroeconomics) for the FHSP.* (Pre-requisite: **US History**)

317 AP Macroeconomics (Grades 11-12; ½ Credit)^{NCAA} SERVICE ID # A3310200

AP Macroeconomics gives students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. Macroeconomics includes the study of the need to make choices due to the existence of limited resources along with unlimited wants. At the end of this course students will be expected to take the Advanced Placement test. Students will only be able to count the AP course as a Distinguished Achievement measure if they make a score of 3 or higher on the AP test. Differentiated instruction will be provided for GT students in this course. *This course is REQUIRED (or Economics) for the FHSP and is REQUIRED to meet the requirements for the Arts & Humanities “AP Social Studies Option” Endorsement Pathway and will meet the requirements of the Multidisciplinary Studies “AP Core Option” Endorsement Pathway.* (Pre-requisite: **World Geography or World History and US History**)

329 Govt 2306 Texas Government (Grades 11-12; ½ Credit) SERVICE ID # 03380002

Origin and development of the Texas constitution, structure and powers of state and local government, federalism and inter-governmental relations, political participation, the election process, public policy and the political culture of Texas. Prerequisite: TSIA2 945-990 ELAR/CRC test AND 5 or higher on Essay OR 910-944 on CRC with 5-6 on Diagnostic Test + 5 or higher on Essay.

330 Personal Financial Literacy (Grades 10-12; ½ Credit)**SERVICE ID # 03380082**

Personal Financial Literacy will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. The knowledge gained in this course has far-reaching effects for students personally as well as the economy as a whole. When citizens make wise financial decisions, they gain opportunities to invest in themselves, build businesses, consume goods and services in a responsible way, and secure a future without depending on outside assistance. The economy benefits from the optimal use of resources, increased consumption, and strong local businesses. State and local governments benefit with steady revenue streams and reduced future obligations as our society ages.

324 PSYC 1300 Psychology for Success (Grade 12; ½ Credit)**SERVICE ID # 03380002**

A study of the psychology of learning, cognition and motivation; factors that impact life-long learning; and application of learning strategies in college, career and daily life. Prerequisite: TSIA2 ELAR <945 with Diagnostic 5-6 and Essay 0-4, <945 with Diagnostic 4 and Essay 0-8, or >945 with Essay 0-4, or equivalent developmental course with a grade of "C" or better.

Foreign Language Department

Course Recommendation Chart

Current Year's Foreign Language Course	Next Year's Foreign Language Course
8 th Grade Spanish I	Spanish II Advanced Spanish II
Spanish I	Spanish II Spanish II Advanced
Spanish I Advanced	Spanish II Advanced Spanish II
Spanish II	Spanish III Advanced
Spanish II Advanced	Spanish III Advanced Spanish III
Spanish III	AP Spanish IV
Spanish III Advanced	AP Spanish IV

To ensure that students at TCISD High Schools have a solid command of the English language before undertaking the challenging study of another language, the Foreign Language Department requires that all incoming freshmen beginning Level I Spanish or French pass the Reading portion of the 8th grade STAAR test.

Guidelines for Spanish Advanced /AP

- The average in 8th grade English should be 85 or higher for Spanish I Advanced
- Students in Spanish I Regular can take Spanish II Advanced with a minimum average of 85 in Spanish I Regular
- Students in Spanish I Advanced can take Spanish II Advanced with successful completion of the Spanish I Advanced course
- Students in Spanish II Regular can take Spanish III Advanced with the understanding that it is taught at an accelerated pace.
- Students in Spanish II Advanced can take Spanish III Advanced with successful completion of the Spanish II Advanced course
- Students in Spanish III Advanced can take Spanish IV AP with successful completion of Spanish III Advanced course

Exit: If the student is failing **Spanish I** or **II Advanced** at the progress report the first six weeks, there is a mandatory parent conference. The student will be required to attend tutorials two times a week. Failure to attend tutorials will result in removal from the class. If the student fails the first six weeks the student will be moved to **Spanish I** or **II** regular class.

TxVSN Foreign Language Options

In addition to Spanish offered in TCISD, students have additional options to take Levels I-III of other Foreign Languages through the Texas Virtual School Network (TxVSN). Available courses include **American Sign Language (ASL)**, **Chinese**, **French**, **German**, **Latin** and **Russian**. See your counselor for more information.

Spanish Course Descriptions

521 Spanish I (Grades 9-12; 1 Credit)^{NCAA}

SERVICE ID # 03440100

This course provides an introduction to listening, speaking, reading, and writing skills in Spanish. Included with the necessary learning skills are Spanish cultural units. *This course is REQUIRED (or LOTE Level I) for the FHSP and meets the requirements of the Arts & Humanities “Foreign Language (LOTE) Option” Endorsement Pathway.*

527 Spanish I Advanced (Grades 9-11; 1 Credit)^{NCAA}

SERVICE ID # 03440100

This course prepares students for Advance Placement in grades 11 and 12. Beginning students concentrate on acquiring the four skills of listening, speaking, reading and writing at an accelerated pace. The focus is on communication with an oral/aural approach to learning vocabulary and grammar. Practicing the language outside of the classroom and learning Advanced vocabulary are essential components of the course. Pertinent aspects of Hispanic culture are also introduced. *This course is REQUIRED (or LOTE Level I) for the FHSP and meets the requirements of the Arts & Humanities “Foreign Language (LOTE) Option” Endorsement Pathway.* (Pre-requisite: 8th grade English should be 85 or above and/or recommendation by a teacher of the foreign language department. The students must have passed the Reading portion of the 8th grade STAAR test. Appeals for placement may be made to the Foreign Language department chairperson, who will consult with the principal)

522 Spanish II (Grades 9-12; 1 Credit)^{NCAA}

SERVICE ID # 03440200

The students will continue to develop language skills through activities that focus on meaningful personalized communication. They read, write, and speak Spanish with a reasonable degree of accuracy. Cultural units are also part of this course. *This course is REQUIRED (or LOTE Level II) for the FHSP and meets the requirements of the Arts & Humanities “Foreign Language (LOTE) Option” Endorsement Pathway.* (Pre-requisite: **Spanish I**)

534 Spanish for Spanish Speakers Level I (Grades 9-12; 1 credit)^{NCAA}

SERVICE ID # 03440110

535 Spanish for Spanish Speakers Level II (Grades 9-12; 1 credit)^{NCAA}

SERVICE ID # 03440220

This course offers native speakers a way to correctly command their first language in areas of listening, speaking, reading, writing, culture, and language. The goal of this course is improvement of basic ability levels in the reading and writing strands. This is a foreign language course and the student receives credit for Spanish I in the fall semester and Spanish II in the spring semester. Although the majority of the course will be conducted in Spanish, the grammar presentations will be done bilingually, which will allow many students to improve not only their grasp of the Spanish language, but the English language as well. (Pre-requisite: Counselor Approval). Effective with the entering students in 2014-2015, these courses will be designated as Advanced and receive weighted credit.

528 Spanish II Advanced (Grades 9-12; 1 Credit)^{NCAA}

SERVICE ID # 03440200

The course includes a review of all basic grammar structures. In addition to covering the regular Spanish II material, this course prepares students for Spanish III Advanced material at an accelerated pace and in more depth. Students in Spanish II Advanced will complete two additional chapters in the text. Spontaneous oral work and extensive writing are integral components of this course. Students must prepare for the course on a daily basis by practicing the language outside of the classroom and learning Advanced vocabulary. Pertinent aspects of Hispanic culture are also introduced. *This course is REQUIRED (or LOTE Level II) for the FHSP and meets the requirements of the Arts & Humanities “Foreign Language (LOTE) Option” Endorsement Pathway.* (Pre-requisite: Successful completion of **Spanish I Advanced**. Students in **Spanish I** must have passed the class with an average of 85 or better. Appeals for placement may be made to the foreign language department chairperson, who will consult with the principal)

523 Spanish III Advanced (Grades 10-12; 1 Credit)^{NCAA}**SERVICE ID # 03440300**

This course prepares students for Advanced Placement in 10, 11 and 12. This course includes a review of all basic grammar structures. The accelerated pace of this class allows for more extensive and more in-depth coverage of grammatical points and for additional reading, speaking and writing. The students in this level will complete an additional two chapters in the text. Spontaneous oral work and extensive writing are integral components of this course. Practicing the language outside of the classroom and learning AP vocabulary are also essential components of the course. Students will also study additional vocabulary in preparation for the AP Language exam. Pertinent aspects of Hispanic culture are also studied. *This course meets the requirements of the Arts & Humanities "Foreign Language (LOTE) Option" Endorsement Pathway.* (Pre-requisite: Successful completion of **Spanish I** and **Spanish II**).

524 AP Spanish IV Language (Grades 11-12; 1 Credit)^{NCAA}**SERVICE ID # A344010**

Advanced students further their development of the four language skills taught in Spanish I, II, and III, while increasing their insight into Hispanic culture. Development of oral proficiency is emphasized. Students will prepare to take the Spanish Language AP Exam in the spring. At the end of this course students will be expected to take the Advanced Placement test. Students will only be able to count the AP course as a Distinguished Achievement measure if they make a score of 3 or higher on the AP test. *This course meets the requirements of the Arts & Humanities "Foreign Language (LOTE) Option" Endorsement Pathway.* (Pre-requisite: **Spanish III Advanced**)

536 Special Topics in Language and Culture (Grades 10-12, 1 Credit)**SERVICE ID # 11410000**

The study of world languages is an essential part of education. In the 21st century language classroom, students gain an understanding of two basic aspects of human existence: the nature of communication and the complexity of culture. Students become aware of multiple perspectives and means of expression, which lead to an appreciation of difference and diversity. Further benefits of foreign language study include stronger cognitive development, increased creativity, and divergent thinking. Students who effectively communicate in more than one language, with an appropriate understanding of cultural context, are globally literate and possess the attributes of successful participants in the world community. *This course may only be taken if, after completing the first credit of LOTE, a student demonstrates that they are unlikely to successfully complete the second credit in the same language and MUST be agreed to by the LOTE Level I teacher, an administrator and the parent/guardian. This course will satisfy the LOTE requirements for the FHSP; however, WILL NOT meet the requirements of the Arts & Humanities "Foreign Language (LOTE) Option" Endorsement Pathway. [TAC, Title 19, Part II, Chapter 74, Subchapter B, §74.12(b)(5)(B)]* (Pre-requisite: **Spanish I**)

Fine Arts Department

All courses listed below are part of a coherent sequence of Fine Arts courses that meet the requirements of the Arts & Humanities "Fine Arts Option" Endorsement Pathway.

General Music Course Descriptions

692 Music Appreciation I (Grade 9-12; 1 credit) 1st Time Taken

SERVICE ID # 03155600

693 Music Appreciation II (Grade 9-12; 1 credit) 2nd Time Taken

SERVICE ID # 03155700

This curriculum surveys music and its role in our lives. This is an academic, non-performance class. Emphasis will be placed on listening and enjoying music of the masters and of other cultures. Discussions enable students to utilize the subject matter in other academic disciplines.

695 AP Music Theory (Grade 11 – 12; 1 Credit)

SERVICE ID # A3150200

The ultimate goal of this course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. To achieve this goal, students will complete listening, performance, written, creative, and analytical exercises both in class and at home. Like most first-year college music theory courses, this course will emphasize aural and visual components of the common practice period (1600-1900): four-voice texture, cadences, melodic and harmonic compositional technique, standard rhythms and meters, phrase structure, small forms and modulation. Students are encouraged to take the Advanced Placement Music Theory exam for college credit.

696 MUSI 1310 American Music (Grade 11 – 12; ½ Credit)

SERVICE ID # 03155700

A general survey of various styles of music of the Americas, including but not limited to jazz, folk, rock, and contemporary music. This course which meets the college's fine arts core requirement is open to all students. Prerequisite: TSIA2 ELAR <945 with Diagnostic 5-6 and Essay 0-4, <945 with Diagnostic 4 and Essay 0-8, or >945 with Essay 0-4, or equivalent developmental course with a grade of "C" or better.

Art Course Descriptions

601 Foundations of Art and Design I [Art I] (Grades 9-12; 1 Credit)

SERVICE ID # 03500100

This is a yearlong, beginner level art course that introduces students to the world of art. The focus is on understanding the language of visual arts, color theory, art history, famous artist, and studio production. Various mediums will be used while 2D and 3D fundamentals are studied. Mediums include: Graphite, pen and ink, charcoal, pastel, colored pencil, watercolor, acrylic paint, printmaking, graphic design, personal photography, and ceramics. *Fee: \$10.00 for art materials*

605 Ceramic and Sculpture II (Grades 10-12; 1 Credit)

SERVICE ID # 03500900

This is a yearlong, intermediate level art course where students will learn various 3-D art techniques while exploring traditional and experimental sculpture materials. First semester explores carving, modeling and assemblage techniques of 3-D art. Mediums include: Paper, cardboard, wire, plaster, wood, papier mache and recycled objects. Second semester will emphasize the hard building methods, decorative methods, techniques, glazing and terminology used in ceramics. (Pre-requisite: **Foundations of Art & Design I** or teacher recommendation) *Fee: \$20.00 for art materials*

606 Ceramic and Sculpture III (Grades 11-12; 1 Credit)**SERVICE ID # 03501800**

This is a yearlong, advanced level art course where students will further develop skills and techniques of hand built pottery and glazing. Function and artistic intent as well as design are emphasized in artwork. (Pre-requisite: **Foundation of Art & Design I, Ceramic and Sculpture II, and teacher recommendation**) *Fee: \$20.00 for art materials*

611 Drawing and Painting II (Grades 10-12; 1 Credit)**SERVICE ID # 03500500**

This is a yearlong, intermediate level art course specializing in various drawing and painting techniques. Realistic and abstract styles will be studied while emphasis is placed on representation of still life, landscape, animals, portraits, sketchbook drawings and original photographs. Mediums include: Graphite, pen and ink, charcoal, pastel, Prisma colored pencil, watercolor, acrylic paint, collage, photography, graphic design and printmaking. (Pre-requisite: **Foundations of Art & Design I** or teacher recommendation for incoming freshman students with one year of art credit at middle school level.) *Fee: \$15.00 for art materials*

612 Drawing and Painting III (Grades 11-12; 1 Credit)**SERVICE ID # 03501300**

This is a yearlong, advance level art course specializing in advanced drawing, painting and mixed media techniques. Student's artwork will be based on the interpretation of particular themes, development of sketchbook ideas and personal photography. (Pre-requisite: **Foundations of Art & Design I and Drawing and Painting II, and teacher recommendation**) *Fee: \$15.00 for art materials*

6601 Advanced Art I (Grades 9-12; 1 Credit)**SERVICE ID # 03500100****6602 Advanced Art II (Grades 10-12; 1 Credit)****SERVICE ID # 03500500****6603 Advanced Art III (Grades 11-12; 1 Credit)****SERVICE ID # 03501300****6604 Advanced Art IV (Grade 12; 1 Credit)****SERVICE ID # 03502300**

This is a yearlong, advanced course designed for students who have a strong interest in art and have advanced art skills in drawing and two-dimensional design. Students will use their knowledge of design principles, a variety of 2-D techniques, critical thinking, and creative problem solving to demonstrate advancement in art work through different mediums. Mediums include: graphite, pen and ink, airbrush, charcoal, pastel, prisma colored pencil, watercolor, acrylic paint, collage, photography, graphic design and printmaking. This class is designed to prepare students for the more rigorous AP Studio Art class and to create original artwork for exhibitions, contests and college entrance portfolios. These Advanced courses DO NOT receive weighted grade points. (Pre-requisite: Teacher recommendation) *Fee: \$25.00 for art materials*

6605 AP Art/Drawing Portfolio (Grades 10-12; 1 Credit)**SERVICE ID # A3500300**

This is a yearlong, advanced placement course designed to address a very broad interpretation of drawing issues. For example, many types of painting, printmaking, and studies for sculpture, as well as abstract and observational works, would qualify as addressing drawing issues. Students are required to submit an art portfolio. (Pre-requisites: **Drawing & Painting II and III, and Teacher recommendation**) *Fee: \$25.00 for art materials*

6606 AP Art/Two-Dimensional Design Portfolio (Grades 10-12; 1 Credit)**SERVICE ID # A3500400**

This is a yearlong, advanced placement course intended to address a very broad interpretation of two-dimensional design issues. This type of design involves purposeful decision-making about how to use the elements and principles of art in an integrated way. For this portfolio, students are asked to demonstrate proficiency in two-dimensional design using a variety of art forms. These could include, but are not limited to, graphic design, digital imaging, photography, collage, fabric design, illustration, painting, and printmaking. Students are required to submit an art portfolio. (Pre-requisite: any Level II Art credit and Teacher recommendation) *Fee: \$25.00 for art materials*

6607 AP Art/Three-Dimensional Design Portfolio (Grades 10-12; 1 Credit) SERVICE ID # A3500500

This is a yearlong, advanced placement course intended to address a very broad interpretation of sculptural issues in depth and space. Such elements and concepts can be articulated through additive and subtractive fabrication processes. A variety of approaches might include jewelry, traditional sculpture, architectural models, apparel, ceramics, fiber arts, and metal work. Students are required to submit an art portfolio. (Pre-requisites: **Ceramics & Sculpture II and III**, and Teacher recommendation) *Fee: \$25.00 for art materials*

6608 Photography and Graphic Art II (Grades 10-12: 1 Credit) SERVICE ID # 03501200

6609 Photography and Graphic Art III (Grades 11-12: 1 Credit) SERVICE ID # 03502200

6610 Photography and Graphic Art IV (Grades 12: 1 Credit) SERVICE ID # 03503100

This year long course introduces students to the fundamentals of digital photography and components of graphic communication through design. At the beginning of this course, students will learn the history of photography, how cameras work and how to use photo editing software. They will also be introduced to the fundamentals of black and white, color, and digital photography. The history of Graphic Art & Design will gradually be introduced as well as the interaction of text and images to represent graphic communication. The primary goal of this course is to investigate the use of photography as a method for artistic self-expression and increase visual literacy through exposure to graphic art. Media includes: Adobe Photoshop, Adobe Illustrator, digital cameras, scanners and other software equipment. (Pre-requisite: **Foundations of Art and Design I**)

**Students will be required to provide their own flash drive*

Band Course Descriptions

631 Concert Band I (Grades 9-12; 1 credit) (TCHS Only) SERVICE ID # 03150100

634 Concert Band II (Grades 10-12; 1 credit) (TCHS Only) SERVICE ID # 03150200

637 Concert Band III (Grades 11-12; 1 credit) (TCHS Only) SERVICE ID # 03150300

640 Concert Band IV (Grades 12; 1 credit) (TCHS Only) SERVICE ID # 03150400

This class is a remedial class for students who are not able to gain entrance into the competing bands (Symphonic and Wind Ensemble). They will focus on the basic fundamentals of playing in addition to working the audition material to gain entrance into the Symphonic Band or Wind Ensemble. In the fall, this class will be required to fulfill the PE substitution at marching rehearsals but will not be in the competing marching band. There will be no after school requirements in the Spring Semester for this class.

632 Symphonic Band I (Grades 9-12; 1 credit) (TCHS Only) SERVICE ID # 03150100

635 Symphonic Band II (Grades 10-12; 1 credit) (TCHS Only) SERVICE ID # 03150200

638 Symphonic Band III (Grades 11-12; 1 credit) (TCHS Only) SERVICE ID # 03150300

641 Symphonic Band IV (Grade 12; 1 credit) (TCHS Only) SERVICE ID # 03150400

This group participates in UIL Marching and Concert/Sight Reading Contests, and these students are encouraged to compete in TMEA All-Region Band and Solo/Ensemble Contests. An advanced measure option is available for students with 2 years' prior enrollment in high school choir or band. (Pre-requisite: Audition based selection, Teacher Approval)

633 Wind Ensemble I (Varsity Level; Grades 9-12; 1 Credit) SERVICE ID # 03150100

636 Wind Ensemble II (Varsity Level; Grades 10-12; 1 Credit) SERVICE ID # 03150200

639 Wind Ensemble III (Varsity Level; Grades 11-12; 1 Credit) SERVICE ID # 03150300

642 Wind Ensemble IV (Varsity Level; Grade 12; 1 Credit) SERVICE ID # 03150400

This group performs college/professional level materials for performances throughout the year. This group also participates in UIL Marching and Concert/Sight Reading Contests, and these students are required to compete in TMEA All-Region and Solo/Ensemble Contests. An advanced measure option is available for students with 2 years' prior enrollment in high school choir or band. (Pre-requisite: Audition based selection, Teacher Approval)

6314 Jazz Band I (Grades 9-12; 1 Credit)	SERVICE ID # 03151300
6315 Jazz Band II (Grades 10-12; 1 Credit)	SERVICE ID # 03151400
6316 Jazz Band III (Grades 11-12; 1 Credit)	SERVICE ID # 03151500
6317 Jazz Band IV (Grade 12; 1 Credit)	SERVICE ID # 03151600

All students in the jazz program are required to be a member of the High School band program except those students playing guitar, bass guitar, and piano. (Pre-requisite: Audition and Teacher Approval)

621C1 Color Guard I (Grades 9-12; 1 credit)	SERVICE ID # 03150100
621C2 Color Guard II (Grades 10-12; 1 credit)	SERVICE ID # 03150200
621C3 Color Guard III (Grades 11-12; 1 credit)	SERVICE ID # 03150300
621C4 Color Guard IV (Grades 12; 1 credit)	SERVICE ID # 03150400

The Color Guard is a visual ensemble involving an array of equipment, movement and skill designed to enhance the visual experience of the marching band and the winter color guard. Preparation takes place during class time, as well as after-school rehearsals. Performance opportunities include all football games, marching band contests, as well as numerous events while competing in the Texas Color Guard Circuit during the spring. A physical education waiver is also awarded to members of the color guard. Membership is based on audition and the final decision is made by the head band director.

6320 Mariachi Class I (Grades 9; 1 credit) (TCHS Only)	SERVICE ID # 03153800
6321 Mariachi Class II (Grades 10; 1 credit) (TCHS Only)	SERVICE ID # 03153900
6322 Mariachi Class III (Grades 11; 1 credit) (TCHS Only)	SERVICE ID # 03154000
6323 Mariachi Class IV (Grades 12; 1 credit) (TCHS Only)	SERVICE ID # 03154100

The Texas City High School Mariachi is a performance based ensemble. Placement is audition based and preparation takes place both during school and after-school. The Mariachi performs numerous concerts throughout the school year and competes at festivals. In addition, members of the bands have the opportunity to compete at All-Region Mariachi. Students will be considered based on skill and instrument need. (Guitar, Violin, Vocals, Trumpet, Flute) (No experience necessary, but may be a consideration for the class. Flute and trumpet players must be enrolled in a band class on that instrument to be considered.)

Choir Course Descriptions

680 Non-Varsity Women's Chorale I (Grades 9-12; 1 Credit) (TCHS Only)	SERVICE ID # 03150900
681 Non-Varsity Women's Chorale II (Grades 10-12; 1 Credit) (TCHS Only)	SERVICE ID # 03151000
682 Non-Varsity Women's Chorale III (Grades 11-12; 1 Credit) (TCHS Only)	SERVICE ID # 03151100
683 Non-Varsity Women's Chorale IV (Grade 12; 1 Credit) (TCHS Only)	SERVICE ID # 03151200

This is an auditioned group of 9th – 12th grade women who perform women's choir selections and mixed choir numbers with the men's choir. The emphasis of this choir is on correct vocal singing, vocal production, and singing in parts. Music theory elements are taught including sight-reading, rhythm counting, and note recognition. TMEA and UIL music selections are taught as well as pop and jazz. (Pre-requisite: Teacher Approval)

688 Men's Chorale I (Grades 9-12; 1 Credit)	SERVICE ID # 03150900
689 Men's Chorale II (Grades 10-12; 1 Credit)	SERVICE ID # 03151000
690 Men's Chorale III (Grades 11-12; 1 Credit)	SERVICE ID # 03151100
691 Men's Chorale IV (Grade 12; 1 Credit)	SERVICE ID # 03151200

This is an auditioned group of 9th – 12th grade men who perform men's choir selections and mixed choir numbers with the women's choir. The emphasis of this choir is on correct vocal singing and vocal production. Music elements are also taught such as rhythm, note reading, and other aspects of music theory. TMEA and UIL music is also learned and performed as well as pop music and jazz. (Pre-requisite: Teacher Approval)

6291 Master Chorale I (Grades 9-12; 1 Credit)	SERVICE ID # 03152100
6292 Master Chorale II (Grades 10-12; 1 Credit)	SERVICE ID # 03152200
6303 Master Chorale III (Grades 11-12; 1 Credit)	SERVICE ID # 03152300
6304 Master Chorale IV (Grade 12; 1 Credit)	SERVICE ID # 03152400

This is an auditioned select group of students with a strong background in music reading, theory, voice production, and overall choral performance. This group will perform a variety of styles including classical, pop and vocal jazz. This ensemble will learn the All State Choir Music auditioned in the first and second round of All State auditions. TMEA and UIL music selections are taught as well. Auditions for this choir will be held at the end of the school year for the next year's class. Advanced measure option is available for students with 2 years' prior enrollment in high school choir or band. (Pre-requisite(s): One year in **Women's Chorale, Men's Choir** or **Women's Varsity** and Teacher Approval)

647 The Show Choir (Grades 9-12 LMHS and Grades 10-12 TCHS; 1 Credit) SERVICE ID # N1170121

The Show Choir is an auditioned show choir which will perform a variety of vocal styles from madrigals to jazz and pop music. Dancing and Singing is involved in this ensemble. Students will perform in schools and in public. Concurrent enrollment in **Women's Chorale, Men's Choir, Master Chorale** or **Women's Varsity** is required. The auditions will take place at the end of each school year for the following year.

684 Varsity Women's Choir I (Grades 9; 1 Credit)	SERVICE ID # 03150900
685 Varsity Women's Choir II (Grades 10; 1 Credit)	SERVICE ID # 03151000
686 Varsity Women's Choir III (Grades 11; 1 Credit)	SERVICE ID # 03151100
687 Varsity Women's Choir IV (Grades 12; 1 Credit)	SERVICE ID # 03151200

This is an auditioned select group of 9th-12th grade Women with a strong background in music reading, theory, voice production, and overall choral performance. This group will perform a variety of styles including classical, pop and vocal jazz. This ensemble will learn the All State Choir Music auditioned in the first and second round of All State auditions. TMEA and UIL music selections are taught as well. Auditions for this choir will be held at the end of the school year for the next year's class. Advanced measure option is available for students with 2 years' prior enrollment in high school choir or band. (Pre-requisite(s): One year in **Middle School Women's Varsity Choir**, or one year in **Women's Chorale** and/or Teacher Approval).

Dance Course Descriptions

491 Dance I (Grades 9-12; 1 Credit) SERVICE ID # 03830100

This course is designed to teach the basics in the areas of ballet, folk, tap, modern and jazz dance. Beginner level dances are taught and tested in each area. It's an enjoyable way to be introduced to dancing and stay in shape!

493 Dance II (Grades 10-12; 1 Credit) SERVICE ID # 03830200

This is a second level dance class for advanced dance students. In Dance II, students will expand their basic dance knowledge acquired to improve their technical skills further and have several opportunities to create original choreography. (Pre-requisite: **Dance I** in high school and Teacher Approval)

495 Dance III (Grades 10-12; 1 Credit) SERVICE ID # 03830300

This is an advanced level dance class where students will develop a deeper understanding of the art of dance and more effectively incorporate the art and technique into original choreography. (Pre-requisite: **Dance II** and Teacher Approval)

494 Dance IV (Grades 11-12; 1 Credit) SERVICE ID # 03830400

This is an advanced level dance class for advanced dance students who have completed Dance III. (Pre-requisite: Teacher Approval, Dance III)

497 Dance Wellness (10-12; 1 Credit)**SERVICE ID # 03834100**

Dance Wellness will target student athletes seeking more range of motion, flexibility, injury prevention, balance and coordination, and more training that will benefit their athletic bodies for a longer and healthier career. Students will participate in learning Ballet, Yoga, Pilates, and Modern Dance. Performance opportunities will include Fall Demonstration and Spring Show.

492 Drill Team I (Cougarettes/Stingarettes) I (1st Time Taken; Grades 9-12; 1 Credit)**SERVICE ID #****03830100****4922 Drill Team II (Cougarettes/Stingarettes) (2nd Time Taken; Grades 10-12; 1 Credit)****SERVICE ID #****03830200****4923 Drill Team III (Cougarettes/Stingarettes) (3rd Time Taken; Grades 11-12; 1 Credit)****SERVICE ID #****03830300****4923 Drill Team IV (Cougarettes/Stingarettes) (4th Time Taken; Grade 12; 1 Credit)****SERVICE ID #****03830400**

This dance course, designed for the members of the drill team, stresses dance technique, poise, precision, and the essentials of drill team performance. (Pre-requisite: Selection through tryout process)

4924 Drill Team Officer I (Dance Composition I (Grades 11-12; 1 Credit)**SERVICE ID # N1170127****4925 Drill Team Officer II (Dance Composition II (Grades 12; 1 Credit)****SERVICE ID # N1170128**

Dance Composition I–III is a practical exploration of a variety of processes and elements that may be used in the study of creating dances. Students will create their own dance studies in response to a variety of assigned choreographic exercises. (Pre-requisite: Selection through tryout process)

Theatre Arts Course Descriptions

607 Theatre Arts I (Grades 9-12; 1 Credit)**SERVICE ID # 03250100**

This is the entry-level performance-based theatre arts class. This course is offered to students who want to learn theatrical skills and performance with emphasis on pantomime, stage movement, oral interpretations, acting, improvisation and critical evaluation through classroom performance. Students will apply these skills and techniques towards building self-confidence and performance ability.

608 Theatre Arts II (Grades 10-12; 1 Credit)**SERVICE ID # 03250200**

This course is a continuation of Theatre Arts I, a more detailed study of acting skills, as well as a detailed study of period drama, musical theatre, career opportunities and directing. (Pre-requisite: **Theater Arts I** and Teacher Approval)

609 Theatre Arts III (Grades 11-12; 1 Credit)**SERVICE ID # 03250300**

This course is a continuation of Theatre Arts II, studying directing, design and specified acting techniques in a variety of drama forms. (Pre-requisite: **Theater Arts II** and Teacher Approval)

610 Theatre Arts IV (Grade 12; 1 Credit)**SERVICE ID # 03250400**

This course is a course in advanced acting and directing techniques, emphasizing directing, voice and diction, theatre history, musical theatre and preparation for career opportunities including resumes and auditions. (Pre-requisite: **Theatre Arts III** and Teacher Approval)

623 Musical Theatre I [Scene Study] (Grades 9-12; 1 Credit)**SERVICE ID # N1170069**

This class is structured to develop scene analysis, script preparation, and rehearsal techniques specifically geared toward music theatre performance. It will explore texts from the classical and contemporary repertory and emphasize the integration of singing, dancing and acting techniques in performance. (Pre-requisite: Teacher Approval)

- 624 Musical Theatre II [Advanced Scene Study] (Grades 10-12; 1 Credit) SERVICE ID # N1170109**
648 Musical Theatre III [Advanced Scene Study] (Grades 11-12; 1 Credit) SERVICE ID # N1170110
649 Musical Theatre IV [Advanced Scene Study] (Grade 12; 1 Credit) SERVICE ID # N1170115

This class is structured to further develop scene analysis, script preparation, and rehearsal techniques specifically geared toward music theatre performance. It will explore texts from the classical and contemporary repertory and emphasize the integration of singing, dancing and acting techniques in performance. This is an advanced level course, teacher approval is required. (Pre-requisite: **Musical Theatre I** and Teacher Approval)

- 613 Theatre Production I (Grades 9-12; 1 Credit each) SERVICE ID # 03250700**
614 Theatre Production II (Grades 10-12; 1 Credit each) SERVICE ID # 03250800
615 Theatre Production III (Grades 11-12; 1 Credit each) SERVICE ID # 03250900
616 Theatre Production IV (Grades 12; 1 Credit each) SERVICE ID # 03251000

Students will explore the play production process from play selection to casting, rehearsals, and performances. Also, they will explore technical aspects and public performances. (Pre-requisite: Teacher Approval)

- 617 Technical Theater I (Grades 9-12; 1 Credit) SERVICE ID # 03250500**

Students will explore stage craft skills through scenery, lighting, costumes, makeup, sound, and will practice theatre safety. Course involves physical labor, lifting, painting, and use of power tools.

- 618 Technical Theatre II (Grades 10-12; 1 Credit) SERVICE ID # 03250600**
619 Technical Theatre III (Grades 11-12; 1 Credit) SERVICE ID # 03251100
620 Technical Theatre IV (Grades 12; 1 Credit) SERVICE ID # 03251200

Students will develop theatrical experience by making artistic choices, solve problems, and working as team members through instruction and application of set construction. Students will design complete technical suites (set, lighting, costumes, and sound) for selected plays. All aspects of technical theatre will be covered. Course involves physical labor, lifting, painting, and use of power tools. (Pre-requisite: **Technical Theatre I** and Teacher Approval)

- 6081 Advanced Improvisational Theatre (Grade 10; 1 Credit) SERVICE ID # 03250200**
6082 Advanced Improvisational Theatre (Grade 11; 1 Credit) SERVICE ID # 03250300
6083 Advanced Improvisational Theatre (Grade 12; 1 Credit) SERVICE ID # 03250400

Students will further explore theatrical skills such as improvisation. This class is for the actor who wants to further their skills and pursue acting for fun, not necessarily for the stage. Students will work collectively with the instructor and their fellow classmates to develop lessons to suite their strongest skills. Pre-requisite: Theatre Arts I, Teacher Approval

Fine Arts CTE Course

- 7711 Principles and Elements of Floral Design (Grades 10-12; 1 Credit) (TCHS Only) SERVICE ID # 13001800**

Students will design and arrange flowers, foliage, and related plant materials for interior locations. Included will be the opportunity to make football mums, dance corsages, and flower arrangements as well as maintain the greenhouse. To examine floral design in relation to contemporary designs, business practices, specialty items, creativity, and careers in the floral industry. (Laboratory fees may be applicable; Optional \$15.00 FFA dues).

General Electives

Course Descriptions

401 Health (Grades 9-12; ½ Credit)

SERVICE ID # 03810100

Health gives students an opportunity to focus on matters that will enable them to cope in society. Topics taught include fitness, hygiene, mental health, stress, nutrition, drugs/alcohol/tobacco, human growth and development, consumerism, safety/first aid, disease, and environmental health. CPR instruction is a required component of the course per HB 897, 19 TAC 74.38 and TEC 28.0023.

801 Methodology for Academic and Personal Success (MAPS)(Grade 9; ½ Credit)

SERVICE ID # N1130021

The course focuses on the skills and strategies necessary for students to make a successful transition into high school and an academic career. Students will explore the options available in high school, higher education, and the professional world in order to establish both immediate and long-range personal goals.

804 College Transitions (Grade 12; 1 Credit)

SERVICE ID # N1290050

College Transition is designed to equip students with the knowledge, skills, and abilities necessary to be active and successful learners, both in high school and in college. Students examine numerous learning strategies and are proven to lead to academic success such as goal setting, effective time management, handling stress, note taking, active reading, test-taking strategies, and conducting research. (ACT, SAT, and TSIA prep through Edgenuity)

Advancement Via Individual Determination (AVID) (LMHS only)

8150 Advancement Via Individual Determination (AVID I) (Grade 9 – 12; 1 Credit)

SERVICE ID # N1290001

8151 Advancement Via Individual Determination (AVID II) (Grade 10 – 12; 1 Credit)

SERVICE ID # N1290002

8152 Advancement Via Individual Determination (AVID III) (Grade 11 – 12; 1 Credit)

SERVICE ID # N1290030

8153 Advancement Via Individual Determination (AVID IV) (Grade 12; 1 Credit)

SERVICE ID # N1290033

AVID I serves as a review of the AVID philosophy & strategies. Students will work on academic & personal goals & communication, adjusting to the high school setting. Students will increase their awareness of their personal contributions to their learning as well as their involvement in school & community.

AVID II refines AVID strategies to meet their independent needs & learning styles. Students will continue to refine & adjust their academic learning plans & goals, increasing awareness of their actions & behaviors. Students will expand their vocabulary use, continuing to prepare for college entrance exams. Text analysis will focus on specific strategies to understand complex texts. Lastly, students will narrow down their colleges & careers of interest based on their personal interests & goals.

AVID III is the first part in a Junior/Senior seminar course that focuses on skills expected of first-year college students. Students participate in college bound activities & confirm their post-secondary plans.

AVID IV is the second part in a junior/senior seminar course that focuses on the writing & critical thinking expected of first & second-year college students. College-bound activities, methodologies, & tasks that should be achieved during the senior year that support students as they apply for college & confirm their post-secondary plans. Seniors will develop & present a portfolio representing their years of work in the AVID program.

820 School Service (Grade 12; ½-1 Local Credit ONLY)**SERVICE ID # 85000820**

In this course, students are placed as needed in an office/library environment. Student duties vary depending on placement, but could include answering the telephone and taking messages, delivering messages to teachers and students, and other light office work. Students registering for this course should be dependable, trustworthy, and ready to work. Student aides are expected to act as an ambassador of the school when they encounter visitors in the hallway, welcoming and directing them. Failure to maintain confidentiality or complete any assignments given will result in dismissal from School Service and placement into an alternate class at the administrator/counselor's discretion. *Note: Administrator/Counselor Approval Required.*

Physical Education & Athletics

ALL students must complete one (1) credit of Physical Education to meet the requirements of the FHSP.

Physical Education Course Descriptions

In Physical Education, students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically-active lifestyle. The student exhibits a physically-active lifestyle and understands the relationship between physical activity and health throughout the lifespan. Students will be introduced to Foundations of Personal Fitness, Individual Sports and Team Sports in all physical education courses (PE I-IV).

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

While in **Individual Sports**, 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 sport activities that are enjoyable is a major objective of this course.

While in **Team Sports**, students are expected to develop health-related fitness and an appreciation for team work and fair play. Like the other high school physical education courses, Team Sports is less concerned with the acquisition of physical fitness during the course than reinforcing the concept of incorporating physical activity into a lifestyle beyond high school.

411 Physical Education I (PEI) (Grades 9; 1 Credit)

SERVICE ID # PES00052

413 Physical Education II (PEII) (Grades 10; 1 Credit)

SERVICE ID # PES00055

412 Physical Education III (PEIII) (Grades 11; 1 Credit)

SERVICE ID # PES00054

415 Weight Training / Conditioning (Grades 9-12; 0.5 Credit)

SERVICE ID # PES00055

418 Physical Education IV (PEIV) (Grades 12; 1 Credit)

SERVICE ID # PES00053

414 Foundations of Personal Fitness (Grades 9 – 12; 0.5 Credit)

SERVICE ID # PES00052

The Foundations of Personal Fitness course aids students in making personal decisions that help them learn to become fitness and exercise problem solvers through weight training, aerobic conditioning, fitness evaluations, and scientific exercise principles.

415 Weight Training / Conditioning (Grades 9 – 12; 0.5 – 1 Credit)

SERVICE ID # PES00055

Students enrolled in Weight Training/Conditioning will emphasize various programs that will develop the individual needs of a student in strength, endurance, and flexibility. The program includes the use of weights for weight training, plyometrics, and cardiovascular training. Students will learn the proper techniques of weight lifting, how to use equipment properly, rules of weight training, and the importance of proper nutrition.

Physical Education Course Substitutions (PES)

According to EIF (Local), students may substitute certain physical activities and certain academic courses for the required one (1) credit. These substitutions are recorded on the transcript (AAR) as PE substitution activities for which PE grades and PE credits are awarded. All PE substitution activities allowed must include at least 100 minutes per five-day school week of moderate to vigorous physical activity. Texas City ISD will allow students a PE substitution based on the physical activity involved in:

- **Athletics** for students participating in any sport(s) listed on the following pages. No more than four (4) substitution credits may be earned.
- **Band I-IV** for students participating in Marching Band (1/2 credit per fall semester for a maximum of 1 credit). If a student earns a 70 or above for Band I-IV, then a “P” for “Passing” will be designated on the student’s transcript for the PE substitution credit. The PE substitution credit will not count in the student’s GPA.
- **Cheerleading I-IV** (1/2 credit per fall semester for a maximum of 1 credit). If a student earns a 70 or above for Cheerleading I-IV, then a “P” for “Passing” will be designated on the student’s transcript for the PE substitution credit. The PE substitution credit will not count in the student’s GPA.
- **Dance Team I-IV** (1/2 credit per fall semester for a maximum of 1 credit). If a student earns a 70 or above for Dance Team I-IV, then a “P” for “Passing” will be designated on the student’s transcript for the PE substitution credit. The PE substitution credit will not count in the student’s GPA.
- **Junior Reserve Officer Training Corps I-IV (JROTC)** (1/2 credit per fall semester for a maximum of 1 credit). If a student earns a 70 or above for JROTC I-IV, then a “P” for “Passing” will be designated on the student’s transcript for the PE substitution credit. The PE substitution credit will not count in the student’s GPA.

407 PE Substitution Drill Team (Cougarettes/Stingarettes; Grades 9-12; ½ Credit)
PES00014

SERVICE ID #

405 PE Substitution Marching Band (Grades 9-12; ½ Credit)

SERVICE ID # PES00012

Junior Reserve Officer Training Corps (JROTC) Course Descriptions (TCHS only)

4619 JROTC I (Grades 9; 1 Credit)

SERVICE ID # 03160100

4620 JROTC II (Grades 10; 1 Credit)

SERVICE ID # 03160200

4621 JROTC III (Grades 11-12; 1 Credit)

SERVICE ID # 03160300

4622 JROTC IV (Grades 12; 1 Credit)

SERVICE ID # 03160400

According to Title 10, Section 2031 of the United States Code, the purpose of Junior ROTC is "to instill in students in [United States] secondary educational institutions the values of citizenship, service to the United States, and personal responsibility and a sense of accomplishment." Additional objectives are established by the service departments of the Department of Defense. *This course is part of coherent sequence of JROTC courses that meet the requirements of the Public Services Endorsement Pathway.*

Athletics Course Descriptions

Athletics I (Grade 9: ½ -1 credit)

SERVICE ID # PES00000

Athletics II (Grade 10: ½ -1 credit)

SERVICE ID # PES00001

Athletics III (Grade 11: ½ -1 credit)

SERVICE ID # PES00002

Athletics IV (Grade 12: ½ -1 credit)

SERVICE ID # PES00003

Classes are restricted to those students accepted into specific programs. Students interested in a particular program should contact the coaching staff for enrollment/tryout information. (Pre-requisite: Varsity Head Coach Approval).

4420 Sports Medicine I (Student Trainer; Grades 9-12; 1 Credit)

SERVICE ID # N1150040

4421 Sports Medicine II (Student Trainer; Grades 10-12; 1 Credit)

SERVICE ID # N1150041

4422 Sports Medicine III (Student Trainer; Grades 11-12; 1 Credit)

SERVICE ID # N1150044

This full year course is designed for students who are interested in the care and prevention of athletic injuries and the education and well-being of all athletes. Students will assist at athletic events to enhance the quality of healthcare for the athletes and others engaged in physical activity. New students to the program must complete the applications process. See Staff Athletic Trainer for more information.

According to the University Interscholastic League (UIL), the governing body of interscholastic sports in Texas, the general **ATHLETIC CODE** means to (as related to student-athletes):

- Play the game in the spirit of fairness and sportsmanship, observing all rules, both in letter and intent.
- Accept decisions of sports and school officials without protest and without questioning their honesty or integrity, and extend protection and courtesy to sports officials from participants, school personnel and spectators remembering that officials are guests.
- Regard opponents as guests, putting clean play and good sportsmanship above victory at any cost. Win without boast and lose without bitterness. Victory is important, but the most important thing in sports is striving to excel and the positive feelings it fosters between those who play fair and have no excuse when they lose. The development of recreational aspects and positive human relations should be stressed in all competition.
- Remember that conduct that berates, intimidates, or threatens competitors, based on gender or ethnic origin, has no place in interscholastic activities.

<http://www.uil-texas.org/files/constitution/uil-ccr-section-1200-1203.pdf>

Student Athletes

If you plan to enroll in any Division I or Division II college or University, please see the information at the end of this guide for the
Guide for College Bound Student Athletes and their Parents

Athletics Course ID Numbers

Baseball	472, 4723, 4725, 4726
Basketball (Boys)	422, 4223, 4425, 4426
Basketball (Girls)	423, 4233, 4235, 4236
Cross Country	462, 4623, 4624, 4626
Football	481, 4823, 4825, 4826
Golf	471, 4713, 4715, 4716
Soccer (Boys)	431, 4313, 4315, 4316
Soccer (Girls)	432, 4323, 4325, 4326
Softball	483, 4833, 4835, 4836
Swimming & Diving	451, 4513, 4515, 4516
Tennis	441, 4423, 4445, 4446
Track	461, 4613, 4615, 4616
Volleyball	421, 4213, 4215, 4216



CTE Programs of Study

2022-2023 School Year

For complete information regarding CTE programs in TCISD, contact:

Alexis Kopp, Director of Career & Technical Education

(409) 916-0024 or akopp@tcisd.org.

Carling Caldwell, Coordinator of Career & Technical Education

(409) 916-0026 or ccaldwell@tcisd.org.

Programs of study are course sequences that prepare students with the knowledge and skills necessary for success in their chosen career. All programs of study include a variety of occupations that require different levels of education and training. Selecting a program of study provides you with an area of focus, along with flexibility and a variety of ideas to pursue.

Deciding on a program of study can help you prepare for your future. The intent is not for you to decide on a specific occupation for the rest of your life but to select an area into which you can begin directing your energies. Identifying a program of study can help you in selecting school courses, activities, and part-time employment. It can also help guide your participation in workplace readiness programs like school-to-work, internship, or cooperative education.

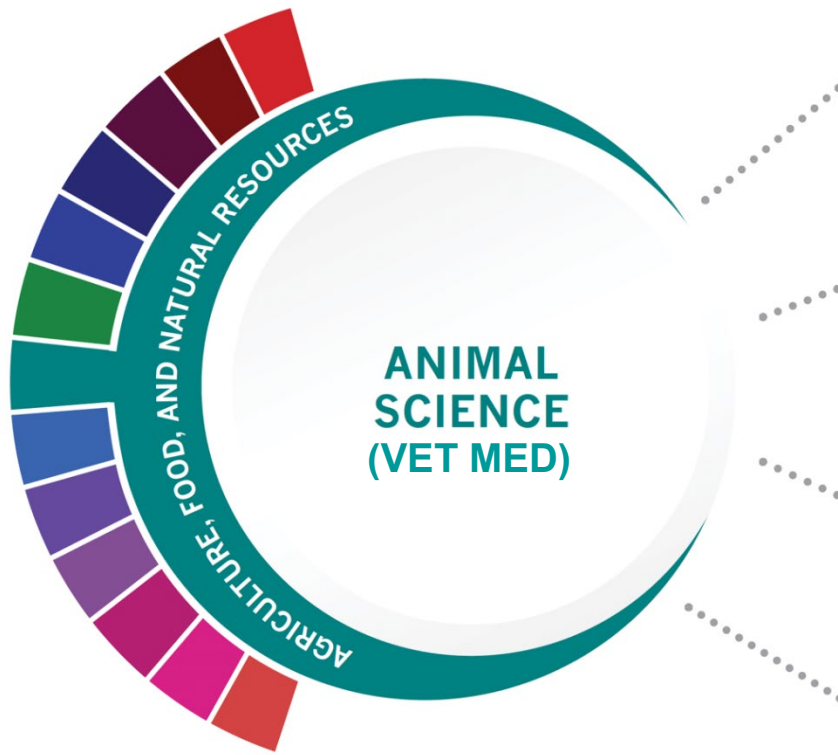
A program of study choice is not a permanent commitment. As you have new experiences, you will learn new things about yourself and may change it. If you decide on a new program of study, you should discuss it with your counselor and adjust your future course selections in accordance with your new career direction.

Students will be asked to choose a program of study from the fourteen career clusters identified by the Texas Education Agency. These programs of study are broad areas of study which are flexible, overlapping in nature, and allow students to change as new knowledge and experiences are acquired. Programs of study are open, rather than narrow, allowing the student more options while providing a focus and relevance to education.

Using the student's career interests and aptitude information, the counselor and student will develop a graduation plan in one of the following programs of study. For complete information, see <https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/approved-cte-programs-study>.



Agriculture, Food and Natural Resources Cluster



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

- Level 2** Small Animal Management
Equine Science

- Level 3** Veterinary Medical Applications

- Level 4** Practicum in Agriculture, Food, and Natural Resources

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

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

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

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

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



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

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



TCHS

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Agriculture, Food, and Natural Resources	7710	13000200 (1 credit)	None	9
Small Animal Management	7722	13000400 (0.5 credit)	PREQ: Principles of AFNR	10
Equine Science	7832	13000500 (0.5 credit)	PREQ: Principles of AFNR	10
Veterinary Medical Applications	7752	13000610 (1 credit)	PREQ: Equine Science, Small Animal Management	11
Practicum in Agriculture, Food, and Natural Resources	7754	13002500 (2 credits)	PREQ: Veterinary Medical Applications	12

7710 Principles of Agriculture, Food & Natural Resources (Grades 9-12; 1 Credit)

SERVICE ID # 13000200

This course will prepare students for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings.

7722 Small Animal Management (Grades 10-12; 1/2 Credit)

SERVICE ID # 13000400

Co Requisite: 7832 Equine Science

This course will prepare students for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. Suggested small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats.

7832 Equine Science (Grades 10-12; 1/2 Credit)

SERVICE ID # 13000500

Co Requisite: 7722 Small Animal Management

In Equine Science, students will acquire knowledge and skills related to equine animal systems and the equine industry. Equine Science may address topics related to horses, donkeys, and mules. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

7752 Veterinary Medical Applications (Grades 11-12; 1 Credit)

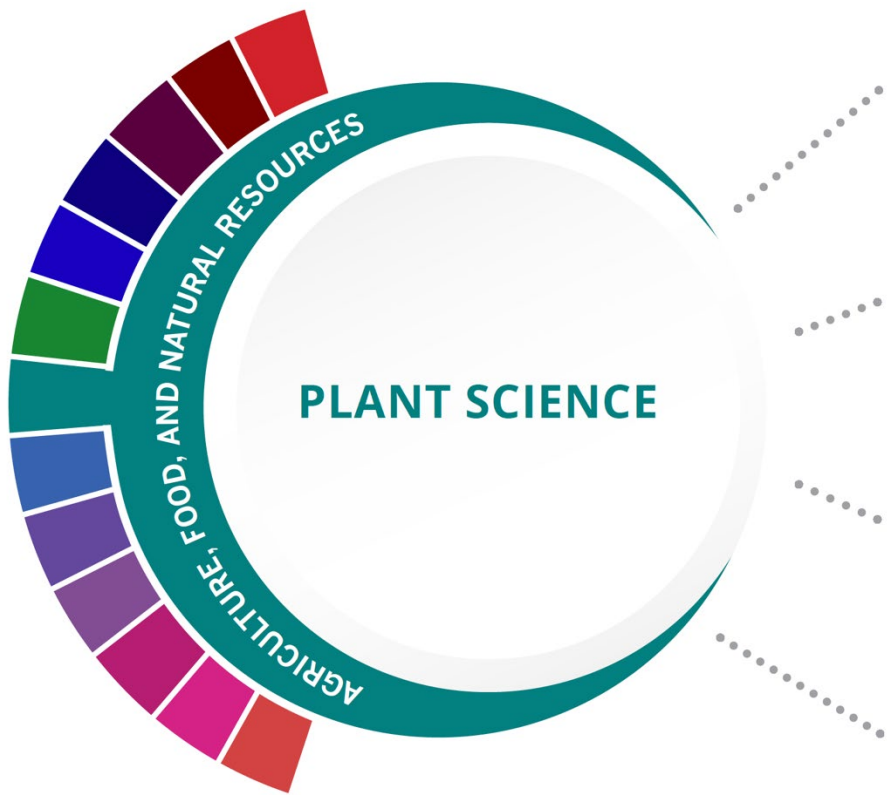
SERVICE ID # 13000610

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. Topics covered in this course include, but are not limited to, veterinary practices as they relate to both large and small animal species.

7754 Practicum in Agriculture, Food and Natural Resources (Grade 12; 2 Credits)

SERVICE ID # 13002500

The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources cluster. The practicum is designed to give students supervised practical application of knowledge and skills. Students must obtain an internship at an approved Veterinary Clinic for 300 hours.



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

- Level 2** Floral Design

- Level 3** Horticultural Science

- Level 4** Advanced Plant and Soil Science

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

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

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

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

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



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

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



TCHS

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Agriculture, Food, and Natural Resources	7710	13000200 (1 credit)	None	9
Floral Design	7711	13001800 (1 credit)	PREQ: Principles of AFNR	10
Horticultural Science	7750	13002000 (1 credit)	PREQ: Floral Design	11
Advanced Plant and Soil Science	7812	13002100 (1 credit)	PREQ: Horticulture and 1 Science credit	12

7710 Principles of Agriculture, Food & Natural Resources (Grades 9-12; 1 Credit)

SERVICE ID # 13000200

This course will prepare students for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings.

7711 Floral Design (Grades 10-12; 1 Credit)

SERVICE ID # 13001800

Students will design and arrange flowers, foliage, and related plant materials for interior locations. Included will be the opportunity to make football mums, dance corsages, and flower arrangements. To examine floral design in relation to contemporary designs, business practices, specialty items, creativity, and careers in the floral industry. Floral Design also counts for Fine Arts Credit.

7750 Horticulture (Grades 11-12; 1 Credit)

SERVICE ID # 13002000

Horticulture Science is designed to build upon the fundamentals of floral design and develop an understanding of common horticultural management practices as they relate to food and ornamental plant production.

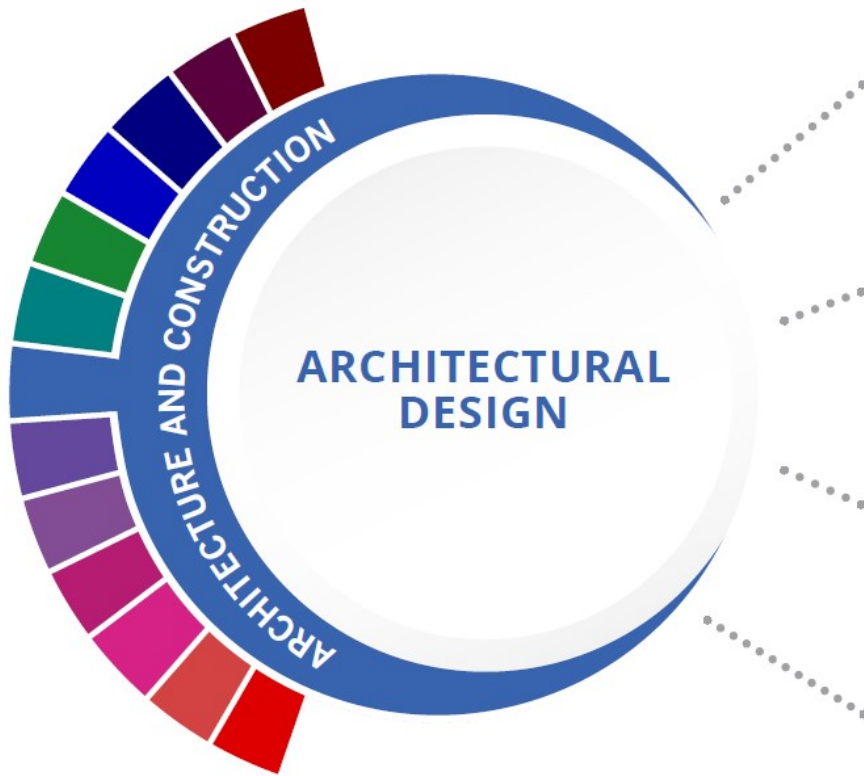
7812 Advanced Plant & Soil Science (Grades 12; 1 Credit)

SERVICE ID # 13002100

Advanced Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. To prepare for careers in plant and soil science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to plant and soil science and the workplace. This course will satisfy the 3rd or 4th Science graduation requirement.



Architecture and Construction Cluster



Level 1 Principles of Architecture

Level 2 Architectural Design I

Level 3 Architectural Design II

Level 4 Practicum in Architectural Design

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

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%

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

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
Shadow an architect, interior designer, or civil engineer. SkillsUSA	Intern at an architecture firm.

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



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

Successful completion of the 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. Revised - July 2020



TCHS and LMHS

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Architecture	7840	13004210 (1 credit)	None	9
Architectural Design I	7743	13004600 (1 credit)	PREQ: Principles of Architecture, Algebra I and English I	10
Architectural Design II	7744	13004700 (2 credits)	PREQ: Architectural Design I	11
Practicum in Architectural Design	7748	13004800 (2 credits)	PREQ: Architectural Design II	12

7840 Principles of Architecture (Grades 9-12; 1 Credit)

SERVICE ID # 13004210

Principles of Architecture provides an overview to the various fields of architecture, interior design, and construction management. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, education, and career information to set and achieve realistic career and educational goals. Job-specific training can be provided through training modules that identify career goals in trade and industry areas. Classroom studies include topics such as safety, work ethics, communication, information technology applications, systems, health, environment, leadership, teamwork, ethical and legal responsibility, employability, and career development and include skills such as problem solving, critical thinking, and reading technical drawings.

7743 Architectural Design I (Grades 10-12; 1 Credit)

SERVICE ID # 13004600

Second year instruction is designed to focus on drawing orthographic views and development using computer software applications for Architectural drafting. Software used: Auto CAD.

7744 Architectural Design II (Grades 11-12; 2 Credits)

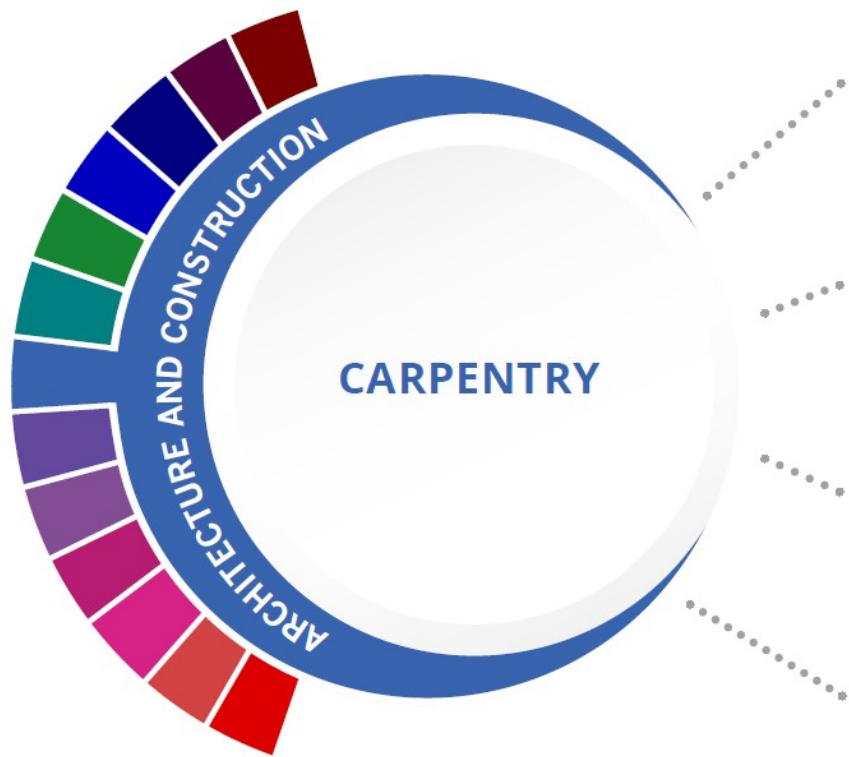
SERVICE ID # 13004700

Advanced instruction enhances skills and knowledge of drawing orthographic views and development using computer software applications for architectural drafting. Software used: Auto CAD. Students will be members of the LMHS or TCHS Architecture Club. Club t-shirt fee and LMHS or TCHS Activity fee will also be given at the beginning of the school year. Students taking this course should expect to attend 3 to 4 Saturday competition dates and at least 4 to 6 after school shop periods during the SkillsUSA Competition season.

7748 Practicum in Architectural Design (Grade 12; 2 Credits)

SERVICE ID # 13004800

Fourth year instruction, involves an independent Architectural Design project and a more in-depth use of Auto CAD. Students will be members of the LMHS or TCHS Architecture Club. Club t-shirt fee and LMHS or TCHS Activity fee will also be given at the beginning of the school year. Students taking this course should expect to attend 3 to 4 Saturday competition dates and at least 4 to 6 after school shop periods during the SkillsUSA Competition season. Students will be required to purchase boots.



Level 1 Principles of Construction

Level 2 Construction Technology I

Level 3 Construction Technology II

Level 4 Practicum in Construction Technology

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

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

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Shadow a carpenter or millwright. SkillsUSA	Obtain an NCCER certification in Millwright Level 1 or Carpentry Level 1

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

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



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

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



ITC

Class of 2026 and Beyond

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Construction	7841	13004220 (1 credit)	None	9
Construction Technology I	7866	13005100 (2 credits)	PREQ: Principles of Construction	10
Construction Technology II	7867	13005200 (2 credits)	PREQ: Construction Technology I	11
Practicum in Construction Technology	7846	13005250 (2 credits)	PREQ: Construction Technology II	12

Class of 2023 - 2025

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Business Information Management I	7767	13011400 (1 credit)	None	9
Construction Technology I	7866	13005100 (2 credits)	None	10
Construction Technology II	7867	13005200 (2 credits)	PREQ: Construction Technology I	11
Practicum in Construction Technology	7846	13005250 (2 credits)	PREQ: Construction Technology II	12

7841 Principles of Construction (Carpentry- ITC Building) (Grades 9-12; 1 Credit)

SERVICE ID # 13004220

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. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment. **Students will need to purchase appropriate boots. Drug testing is mandatory for this course.**

7866 Construction Technology I (Carpentry - ITC Building) (Grades 10-12; 2 Credits)

SERVICE ID # 13005100

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 will be required to purchase boots. **Students will need to purchase appropriate boots. Drug testing is mandatory for this course.**

7867 Construction Technology II (Carpentry - ITC Building) (Grades 11-12; 2 Credits)

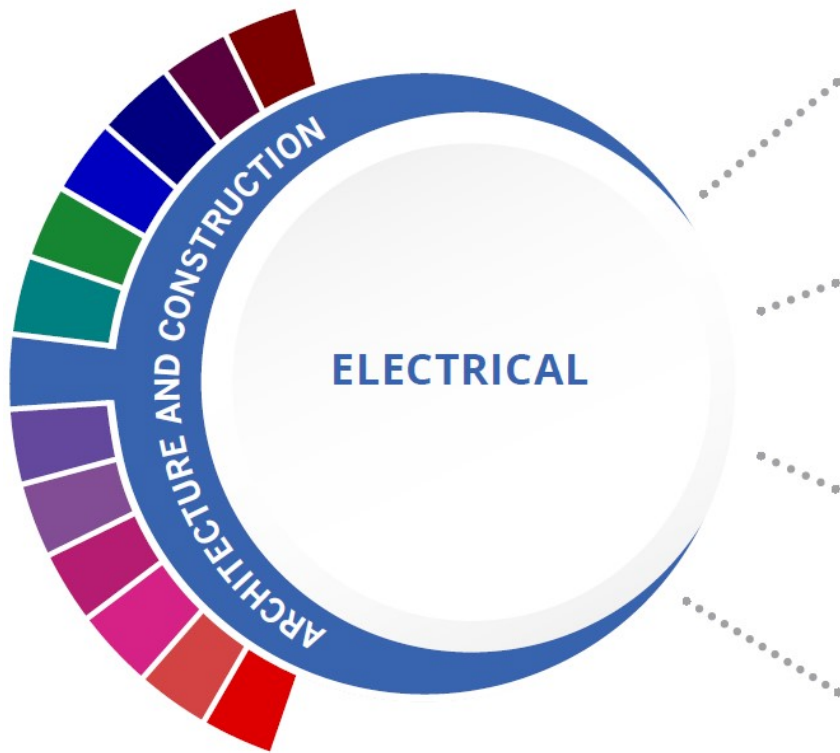
SERVICE ID # 13005200

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 will be required to purchase boots. **Students will need to purchase appropriate boots. Drug testing is mandatory for this course.**

7846 Practicum in Construction Technology (Carpentry - ITC Building) (Grade 12: 2 Credits)

SERVICE ID # 13005250

Practicum in Construction Technology is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom. Students will be required to purchase boots. **Students will need to purchase appropriate boots. Drug testing is mandatory for this course.**



Level 1 Principles of Construction

Level 2 Electrical Technology I
Occupational Safety and Environmental Technology I

Level 3 Electrical Technology II

Level 4 Practicum in Construction Technology

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

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%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Shadow an electrician or fiber optics line installer SkillsUSA	Intern or shadow an electrician

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

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



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

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



ITC

Class of 2026 and Beyond

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Construction	7842	13004220 (1 credit)	None	9
Occupational Safety and Environmental Technology I	7868	N1303680 (1 credit)	PREQ: Principles of Construction	10
Electrical Technology I	7771	13005600 (1 credit)	PREQ: Principles of Construction	10
Electrical Technology II	7844	13005700 (2 credit)	PREQ: Electrical Technology I and Occupational Safety and Environmental Technology I	11
Practicum in Construction Technology	7847	13005250 (2 credits)	PREQ: Electrical Technology II	12

Class of 2023-2025

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Business Information Management I	7767	13011400 (1 credit)	None	9
Occupational Safety and Environmental Technology I	7868	N1303680 (1 credit)	None	10
Electrical Technology I	7771	13005600 (1 credit)	None	10
Electrical Technology II	7844	13005700 (2 credit)	PREQ: Electrical Technology I and Occupational Safety and Environmental Technology I	11
Practicum in Construction Technology	7847	13005250 (2 credits)	PREQ: Electrical Technology II	12

7842 Principles of Construction (Electrical- ITC Building) (Grades 9-12; 1 Credit)

SERVICE ID # 13004220

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. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment. **Students will need to purchase appropriate boots for this course. Drug testing is mandatory for this course.**

7868 Occupational Safety & Environmental Technology (Electrical-ITC Building) (Grades 10-12; 1 Credit) Co Requisite: 7771 Electrical Technology I

SERVICE ID # N1303680

Students will investigate the field of Occupational Safety and Health Administration and Environmental Technology, which is charged with the tasks of ensuring that business and industry provide a safe workplace, free from hazards and bringing about a reduction in the occurrence of job-related injuries and fatalities. Students will be required to purchase boots. **Students will need to purchase appropriate boots for this course. Drug testing is mandatory for this course.**

7771 Electrical Technology I (Electrical & Instrumentation - ITC Building) (Grade 10-12; 1 Credit) Co Requisite: 7868 Occupational Safety & Environmental Technology

SERVICE ID # 13005600

In Electrical Technology, students gain knowledge and skills specific to those needed to enter the work force as an electrician or building maintenance supervisor or prepare for a postsecondary degree in construction. Students acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, and the reading of electrical drawings, schematics, and specifications. Students will be required to purchase boots. **Students will need to purchase appropriate boots for this course. Drug testing is mandatory for this course.**

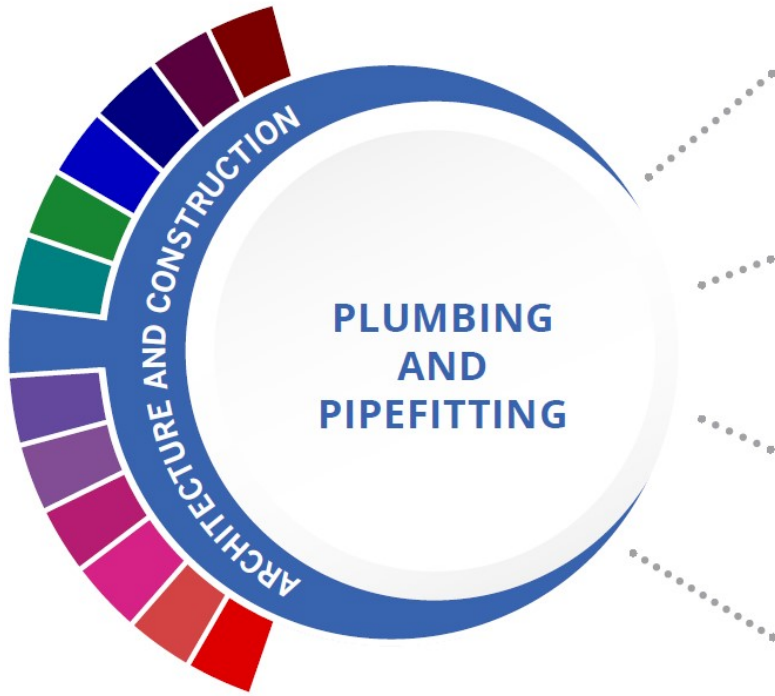
7844 Electrical Technology II (Electrical & Instrumentation - ITC Building) (Grade 11-12; 2 Credits)

SERVICE ID # 13005700

In Advanced Electrical Technology, students gain advanced knowledge and skills specific to those needed to enter the work force as an electrician or building maintenance technician or supervisor or prepare for a postsecondary degree in construction. Students acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, alternating current and direct current motors, conductor installation, installation of electrical services, and electric lighting installation. Students will be required to purchase boots. **Students will need to purchase appropriate boots for this course. Drug testing is mandatory for this course.**

7847 Practicum in Construction Technology (Electrical & Instrumentation - ITC Building) (Grade 11-12: 2 Credits) SERVICE ID # 13005250

Practicum in Construction Technology is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom. Students will be required to purchase boots. **Students will need to purchase appropriate boots for this course. Drug testing is mandatory for this course.**



Level 1 Principles of Construction

Level 2 Pipefitting Technology I/Lab

Level 3 Pipefitting Technology II/Lab

Level 4 Practicum in Construction Technology

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

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-Pipe layers, Plumbers, Pipefitters, and Steamfitters	\$30,098	1,567	18%
Pipe Installers	\$31,616	802	21%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Job shadow a plumber, pipefitter, or steamfitter SkillsUSA	Obtain a Core Curriculum NCCER certification in Pipefitting Level 1 or Plumbing Level 1

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

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



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

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



ITC

Class of 2026

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Construction	7865	13004220 (1 credit)	None	9
Pipefitting Technology I/Lab	7872 7874	N1300425 (1 credit) N1300427 (1 credit)	PREQ: Algebra I and Geometry, Principles of Construction	10
Pipefitting Technology II/Lab	7873 7875	N1300426 (1 credit) N1300428 (1 credit)	PREQ: Pipefitting Technology I	11
Practicum in Construction Technology	7848	13005250 (2 credits)	PREQ: Pipefitting Technology II	12

Class of 2023-2025

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Business Information Management I	7767	13011400 (1 Credit)	None	9
Principles of Construction	7865	13004220 (1 credit)	None	10
Occupational Safety and Environmental Technology I	7869	N1303680 (1 credit)	None	10
Pipefitting Technology I	7872	N1300425 (1 credit)	PREQ: Algebra I and Geometry, Principles of Construction and Occupational Safety and Environmental Technology I	11
Pipefitting Technology II	7873	N1300426 (1 credit)	PREQ: Pipefitting Technology I	11
Practicum in Construction Technology	7848	13005250 (2 credits)	PREQ: Pipefitting Technology II	12

7865 Principles of Construction (Pipefitting - ITC Building) (Grades 9-12; 1 Credit)

SERVICE ID # 1300422

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. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment. Students will be required to purchase boots. **Drug testing is mandatory for this course.**

7872 Pipefitting Technology I (ITC Building)

SERVICE ID # N1300425

(Grades 10-12; 1 Credit 1st Semester) Co Requisite: 7874

7874 Pipefitting Technology I/Lab (ITC Building)

(Grades 10-12; 1 Credit 2nd Semester) Co Requisite: 7872

SERVICE ID # N1300427

Students will learn the types of work performed, responsibilities and career opportunities within the industry, and safety principles associated with pipefitting. Additionally, students will learn care, selection, and use of hand and power tools of the trade and ladder and scaffold safety, selection, construction, and the associated hazards. Oxyfuel cutting and associated safety procedures will be reinforced. Students will learn the maintenance, operation, and safety of motorized equipment. Students will be required to purchase boots. **Drug testing is mandatory for this course.**

7873 Pipefitting Technology II (ITC Building)

(Grades 11-12; 1 Credit 1st Semester) Co Requisite: 7875

SERVICE ID # N1300426

7875 Pipefitting Technology II/Lab (ITC Building)

(Grades 11-12; 1 Credit 1st Semester) Co Requisite: 7873

SERVICE ID # N1300428

Students will learn about, be able to identify and install various types of piping systems and valves. Students will learn to read detail and drawing sheets and how to use mathematics to solve problems related to Pipefitting construction. Students will also be educated in how to prepare, fabricate, and assemble threaded pipe, socket weld, and butt weld installations. Excavating per Occupational Safety and Health Administration (OSHA) standards as well as grading and elevations of trenching and backfilling will also be taught. **Drug testing is mandatory for this course.**

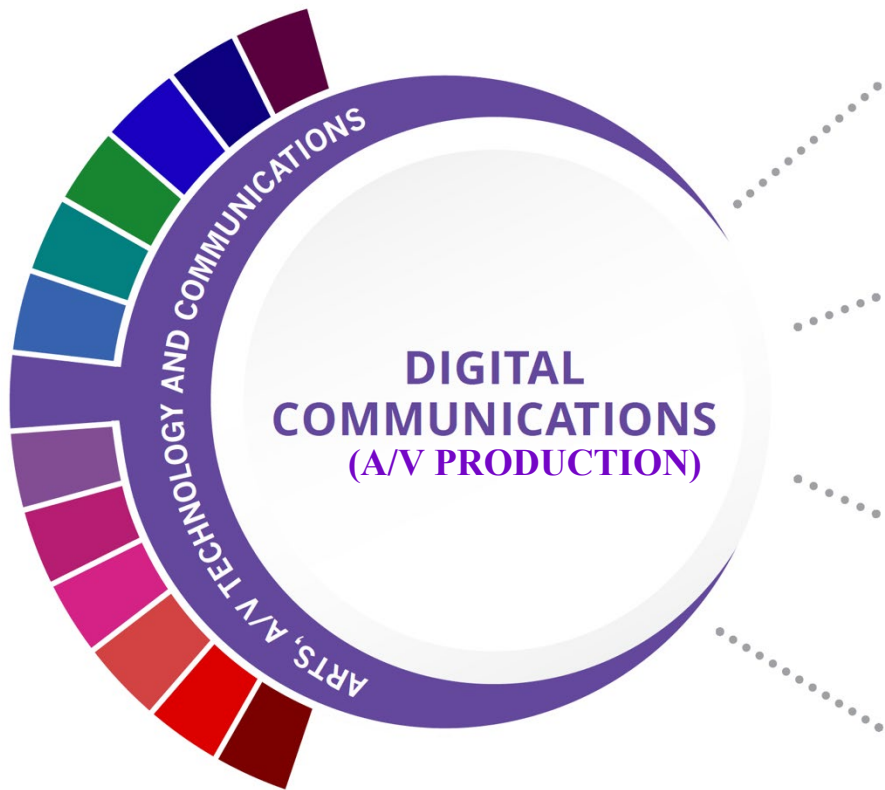
7848 Practicum in Construction Technology (Pipefitting - ITC Building) (Grade 12; 2 Credits)

SERVICE ID # 13005250

Practicum in Construction Technology is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom. Students will be required to purchase boots. **Drug testing is mandatory for this course.**



Arts, Audio/Video Technology, and Communications Cluster



- Level 1** Principles of Arts, A/V Technology, and Communications

- Level 2** Audio/Video Production I

- Level 3** Audio Video Production II/Lab

- Level 4** Practicum of Audio/Video Production

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

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%

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

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

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



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

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



TCHS

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Arts, A/V Technology, and Communications	7755	13008200 (1 credit)	None	9
Audio/Video Production I	7756	13008500 (1 credit)	PREQ: Principles of Arts, A/V Technology, and Communications	10
Audio Video Production II/Lab	7853	13008610 (2 credits)	PREQ: Audio/Video Production I	11
Practicum in Audio/Video Production	7758	13008700 (2 credits)	PREQ: Audio/Video Production II/Lab	12

7755 Principles of Arts, A/V Technology & Communications (Grades 9-10, 1 Credit)

SERVICE ID # 13008200

Careers in the Arts, Audio/Video Technology, and Communications career cluster require, in addition to 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 and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities.

7756 Audio/Video Production I (Grades 10-11; 1 Credit)

SERVICE ID # 13008500

Introduces students to careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, 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, and post-production audio and video activities.

7853 Audio/Video Production II/Lab (Grades 11-12; 2 Credits)

SERVICE ID # 13008610

Introduces students to careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, 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 activities. This course may be implemented in an advanced audio format or an advanced format, including both audio and video.

7758 Practicum in Audio Video Production (Grade 12; 2 Credits)

SERVICE ID # 13008700

Introduces students to careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video activities in a studio environment. This course may be implemented in an advanced audio, video, or animation format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.



Business, Marketing and Finance Cluster



Level 1 Business Information Management I

Level 2 Business Information Management II

Level 3 Career Preparation I

Level 4 Career Preparation II

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

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

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

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

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

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



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

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



TCHS and LMHS

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Business Information Management I	7767	13011400 (1 credit)	None	9
Business Information Management II	7768	13011500 (1 credit)	PREQ: Business Information Management I	10
Career Preparation I	7729	12701300 (2 credits)	PREQ: Business Information Management II	11
Career Preparation II	7815	12701305 (3 credits)	PREQ: Career Preparation I	12

7767 Business Information Management I (Grades 9-12; 1 Credit)

SERVICE ID # 13011400

In Business Information Management I, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software. **This is a required course for graduation starting with the freshman class of 2022.**

7768 Business Information Management II (Grades 10-12; 1 Credit)

SERVICE ID # 13011500

This is an occupationally specific course which introduces the concepts and skills for producing business documents and correspondence through the use of the document cycle and word processing equipment. Special emphasis is placed on automated management of business records, database management, electronic spreadsheets, and management of information flow, electronic mail, desktop publishing, and graphics. The course provides preparation for employment or advanced standing at the postsecondary level. **(Pre-requisite: Business Information Management I)**

7729 Career Preparation I (Grade 11-12; 2 Credits)

SERVICE ID # 12701300

Career Preparation I provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success. **(Prerequisite: Must be a senior unless in the Business Management Program of Study).**

7815 Career Preparation II (Grade 12; 3 Credits)

SERVICE ID # 12701305

Career Preparation I – Second Time Taken provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.



Level 1 Principles of Business, Marketing, and Finance

Level 2 Advertising
Sports and Entertainment Marketing

Level 3 Advanced Marketing

Level 4 Practicum in Marketing

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE / LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Microsoft Office Specialist or Expert - Excel	Certified Product Manager	Marketing/ Marketing Management, General	Marketing/ Marketing Management, General	Marketing
Microsoft Office Specialist or Expert - Word	DMA Certified Marketing Professional	Consumer Merchandising/ Retailing Management	Business Administration	Business Administration
Google Analytics Individual Qualification	Certified Salesperson	International Marketing	Applied Economics	Applied Economics
Entrepreneurship and Small Business	Real Estate Appraiser	Business	Marketing Research	Advertising

Occupations	Median Wage	Annual Openings	% Growth
Marketing Research Analysts and Marketing Specialists	\$70,346	4,664	40%
Insurance Sales Agents	\$43,181	5,886	30%
First-Line Supervisors of Retail Sales Workers	\$72,550	2,826	15%
Wholesale and Retail Buyers	\$51,106	1,229	19%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Business Professionals of America (BPA), Future Business Leaders of America (FBLA), and DECA	Internship with local marketing firm; shadow a real estate agent; operate a school store on campus

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

The Marketing and Sales program of study teaches CTE learners how to collect information to determine potential sales of a product or service and/or create a marketing campaign to market or distribute goods and services. Through this program of study, students will learn the skills necessary to understand and apply data on customer demographics, preferences, needs, and buying habits.



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

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



TCHS

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Business, Marketing, and Finance	7764	13011200 (1 credit)	None	9
Sports and Entertainment Marketing	7747	13034600 (.5 credit)	PREQ: Principles of Business, Marketing, and Finance	10
Advertising	7858	13034200 (.5 credit)	PREQ: Principles of Business, Marketing, and Finance	10
Advanced Marketing	7856	13034700 (2 credits)	PREQ: Sports and Entertainment Marketing, Advertising	11
Practicum in Marketing	7857	13034800 (2 credits)	PREQ: Advanced Marketing	12

7764 Principles of Business, Marketing, and Finance (Grades 9-12, 1 Credit)

SERVICE ID # 13011200

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies 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.

7747 Sports and Entertainment Marketing (Grade 10-11; ½ Credit)

SERVICE ID # 13034600

Co Requisite: 7858 Advertising

This course will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and sporting events and entertainment. The areas this course will cover include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports and entertainment marketing plans. This course will also provide students an opportunity to develop promotional plans, sponsorship proposals, endorsement contracts, sports and entertainment marketing plans, and evaluation and management techniques.

7858 Advertising (Grades 10-11; 1/2 Credit)

SERVICE ID # 13034200

Co Requisite: 7747 Sports Entertainment and Marketing

This course is designed to provide a comprehensive introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, cultural, ethical, and legal issues of advertising, historical influences, strategies, media decision.

7856 Advanced Marketing (Grades 11-12; 2 Credits)

SERVICE ID # 13034700

Students will run the 409stingstore plus create and apply marketing, accounting, purchasing, web development skills in this 2-hour class. Advanced Marketing is a series of dynamic activities that focus on the customer to generate a profitable exchange. Students gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions.

7857 Practicum in Marketing (Grade 12; 2 Credits)

SERVICE ID # 13034800

Practicum in Marketing is a series of dynamic activities that focus on the customer to generate a profitable exchange. Students will gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students will integrate skills from academic subjects, information technology, interpersonal communication, and management training to make responsible decisions. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical courses in marketing.



Education and Training Cluster



- Level 1** Principles of Education and Training

- Level 2** Human Growth and Development

- Level 3** Instructional Practices

- Level 4** Practicum in Education and Training

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

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%

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

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

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



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

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



TCHS and LMHS

Class of 2026 and Beyond

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Education and Training	7700	13014200 (1 credit)	None	9
Human Growth and Development	NEW for the 2022-2023 school year!	13014300 (1 credit)	PREQ: Principles of Education and Training	10
Instructional Practices	7702	13014400 (2 credits)	PREQ: Human Growth and Development	11
Practicum in Education and Training	7707	13014500 (2 credits)	PREQ: Instructional Practices	12

Class of 2023 - 2025

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Business Information Management I	7767	13011400 (1 credit)	None	9
Principles of Education and Training	7700	13014200 (1 credit)	None	10
Instructional Practices	7702	13014400 (2 credits)	PREQ: Principles of Education and Training	11
Practicum in Education and Training	7707	13014500 (2 credits)	PREQ: Instructional Practices	12

7700 Principles of Education and Training (Grades 9-12: 1 Credit)**SERVICE ID # 13014200**

The Principles of Education and Training course is designed to introduce students 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 teaching inside the classroom. Students will develop a plan to job shadow and intern at a field site school.

Human Growth and Development (Grades 10-12; 1 Credit) NEW for the 2023-2024 school year!**SERVICE ID # 13014300**

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

7702 Instructional Practices in Education and Training (Ready, Set, Teach I) (Grades 11-12; 2 credits) SERVICE ID # 13014400

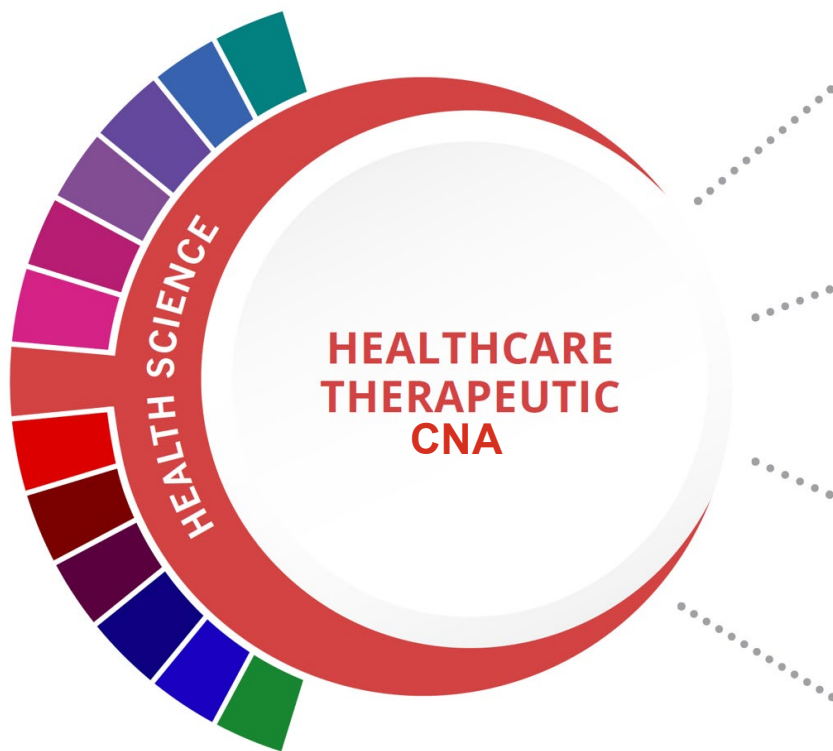
The primary objective of Instructional Practices in Education and Training (Ready, Set, Teach!) is to develop background knowledge of child and adolescent developmental principles as well as principles of effective teaching practices. Students will under the direction of a family and consumer science teacher and a mentoring teacher in direct instructional roles. Students will plan direct individualized instruction and group activities, prepare instructional materials and complete other responsibilities of classroom teachers. Students will engage in applications of principles/practices in the classroom. This course not only offers direct field experience but is a fun hands-on way to explore the career field of education. Students will be screened and selected based on teacher approval.

7707 Practicum in Education and Training (Ready, Set, Teach II) (Grade 12; 2 credits)**SERVICE ID # 13014500**

Practicum in Education and Training (Ready, Set, Teach! II) is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a Family and consumer Science teacher and educators in direct instructional roles with elementary, middle school, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel. Students will be screened and selected based on teacher approval.



Health Science Cluster



Level 1 Medical Terminology

Level 2 Principles of Health Science

Level 3 Health Science Clinical
Anatomy and Physiology
(Recommended)

Level 4 Practicum in Health Science
(Required)
Medical Microbiology
(Recommended)

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

Occupations	Median Wage	Annual Openings	% Growth
Medical Assistants	\$29,598	8,862	30%
Surgical Technologists	\$45,032	1,150	20%
Dental Hygienists	\$73,507	1,353	38%
Physicians and Surgeons	\$213,071	1,151	30%
Dental Assistants	\$34,840	4,422	31%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

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

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

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



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

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



TCHS and LMHS

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Medical Terminology	7745	13020300 (1 credit)	None	9
Principles of Health Science	7735	13020200 (1 credit)	PREQ: Biology or IPC, Medical Terminology	10
Health Science Clinical	7830	13020410 (2 credits)	PREQ: Principles of Health Science and 2 Science credits including Biology	11
Anatomy and Physiology	7742	13020600 (1 credit)	PREQ: Biology and a second science credit	11
Practicum in Health Science	7737	13020500 (2 credits)	PREQ: Health Science Theory and 3 Science credits including Biology	12
Medical Microbiology	7715	13020700 (1 credit)	PREQ: Biology and Chemistry	12

7745 Medical Terminology (Grades 9-10; 1 Credit)

SERVICE ID # 13020300

This course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology. Participation in HOSA is optional; however, students are encouraged to join. Membership dues are \$32.00 annually.

7735 Principles of Health Science (HST I) (Grades 10-11; 1 Credit)

SERVICE ID # 13020200

This is the first of a sequence of courses offered in the Health Science Technology Career Tech Program, which prepares the student for a career as a health care professional. Students will learn leadership skills, safety skills in health care setting, health care systems, Anatomy and physiology, professionalism, overview of careers in the health care field, as well as Life stages. Students will be certified with health care provider CPR as well. Health Occupations Students of America [HOSA] is a student organization for HST, Anatomy & Physiology, Forensic Science, Medical Microbiology, Pathophysiology, Medical Terminology and Vet Tech students only. Participation is optional; however, students are encouraged to join. Membership dues are \$37.00 annually. This program is for students with a strong interest in the Health Care Profession. This course is a fast-paced intense course.

7830 Health Science Clinicals (Grades 11-12; 2 Credits)

SERVICE ID # 13020410

This level three course is designed to allow students to explore a vast number of health careers & shadow health care professionals in the following clinical settings at Mainland Medical Center: nursing, physical and occupational therapy, radiology, pharmacy, occupational medicine, dietary, hyperbaric medicine, sterile processing, and medical laboratory and more. 3 hours each week are in classroom lecture, discussion, and skills training. Admission into HST II is very competitive. Selection is based on grades in HST I, Science grades, attendance, discipline as well as science teacher recommendation. Application is required with teacher/counselor approval. There are student fees that are required for the clinical rotations. A uniform fee of \$48 and a clinical lab fee of \$42.00. Participation in HOSA is optional; however, students are encouraged to join. Membership dues are \$37.00 annually. Weighted points will be awarded.

7742 Anatomy and Physiology (A&P) (Grade 12, 1 Credit)

SERVICE ID # 13020600

Students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. Topics will be presented through the integration of biology, chemistry, and physics. Students will study the structures and functions of the human body and body systems. Students will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. Outside research will be required. This course will satisfy the 3rd or 4th Science graduation requirement. **(Weighted points will be awarded.)**

7737 Practicum in Health Science (Certified Nurse Assistant) (Grade 12; 2 Credits)

SERVICE ID # 13020500

This Level four course is an occupation specific course designed to provide knowledge and skills for post-secondary education in health careers. Students develop advanced clinical skills needed for employment in the health care industry. Six hours each week are in clinical experience in a health care community setting and three hours each week are in the classroom. The classroom phase will include medical terminology where students will learn the "language of medicine." Students acquire word building skills by relating terms to body systems. Student Selection is based on grades in HST I & HST II, Science grades, attendance, & discipline. **Students must have own transportation for this course. **Application is required with teacher/counselor approval. Uniforms are required and are worn during clinical rotations and field trips. Participation in HOSA is optional; however, students are encouraged to join. Membership dues are \$37.00 annually. There is a student clinical fee of \$ 42.00 that is required to participate in the Practicum of Health Science III class. An additional fee will be required for second semester for the certified nurse assistant course (CNA). The student's portion is \$200.00 for the CNA class. The class begins after the students return from winter break. Students who complete the CNA course and pass the state exam will receive a CNA certification. Weighted points will be awarded.

7715 Medical Microbiology (Grade 10-12; 1 Credit)

SERVICE ID # 13020700

The Medical Microbiology course is designed to explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Students must meet the 40% laboratory and fieldwork requirement. This course satisfies a high school science graduation requirement.



Level 1 Medical Terminology

Level 2 Principles of Health Science

Level 3 Health Science Theory
Pharmacology
Anatomy and Physiology (Recommended)

Level 4 Practicum in Health Science (Required)
Medical Microbiology (Recommended)

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

Occupations	Median Wage	Annual Openings	% Growth
Medical Assistants	\$29,598	8,862	30%
Surgical Technologists	\$45,032	1,150	20%
Dental Hygienists	\$73,507	1,353	38%
Physicians and Surgeons	\$213,071	1,151	30%
Dental Assistants	\$34,840	4,422	31%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

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

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

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



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

TCHS

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Medical Terminology	7745	13020300 (1 credit)	None	9
Principles of Health Science	7735	13020200 (1 credit)	PREQ: Biology or IPC, Medical Terminology	10
Health Science Theory	7829	13020400 (1 credit)	PREQ: Principles of Health Science, Biology and Chemistry	11
Pharmacology	7827	13020950 (1 credit)	PREQ: Principles of Health Science, Biology and Chemistry	11
Anatomy and Physiology	7742	13020600 (1 credit)	PREQ: Biology and a second science credit	11
Practicum in Health Science	7833	13020500 (2 credits)	PREQ: Health Science Theory and 3 credits in Science including Biology	12
Medical Microbiology	7715	13020700 (1 credit)	PREQ: Biology and Chemistry	12

7745 Medical Terminology (Grades 9-10; 1 Credit)

SERVICE ID # 13020300

This course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology. Participation in HOSA is optional; however, students are encouraged to join. Membership dues are \$32.00 annually.

7735 Principles of Health Science (HST I) (Grades 10-11; 1 Credit)

SERVICE ID # 13020200

This is the first of a sequence of courses offered in the Health Science Technology Career Tech Program, which prepares the student for a career as a health care professional. Students will learn leadership skills, safety skills in health care setting, health care systems, Anatomy and physiology, professionalism, overview of careers in the health care field, as well as Life stages. Students will be certified with health care provider CPR as well. Health Occupations Students of America [HOSA] is a student organization for HST, Anatomy & Physiology, Forensic Science, Medical Microbiology, Pathophysiology, Medical Terminology and Vet Tech students only. Participation is optional; however, students are encouraged to join. Membership dues are \$37.00 annually.

7829 Health Science Theory (Grades 11-12; 1 Credit 1st Semester)

Co requisite: 7827 Pharmacology

SERVICE ID # 13020400

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

7827 Pharmacology (Grade 11-12; 1 Credit 2nd Semester)

Co requisite: 7829 Health Science Theory

SERVICE ID # 13020950

The Pharmacology course is designed to study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. Students will also obtain knowledge of medication safety, laws, terminology, pharmacy mathematics and duties. It is an ever-changing, growing body of information that continually demands greater amounts of time and education from health care workers.

7742 Anatomy and Physiology (A&P) (Grade 12, 1 Credit)

SERVICE ID # 13020600

Students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. Topics will be presented through the integration of biology, chemistry, and physics. Students will study the structures and functions of the human body and body systems. Students will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. Outside research will be required. This course will satisfy the 3rd or 4th Science graduation requirement. **(Weighted points will be awarded.)**

7833 Practicum in Health Science (Pharmacy Technician) (Grade 12; 2 Credits)

SERVICE ID # 13020500

This Level three course is an occupation specific course designed to provide knowledge and skills for postsecondary education in health careers. Students develop advanced clinical skills needed for employment in the health care industry. Six hours each week are in a pharmacy clinical experience in a health care community setting and three hours each week are in the classroom. The classroom phase will include learning medications, federal law requirements, patient safety and quality assurance, and order entry processing. Student Selection is based on grades in HST I & HST II, Science grades, attendance, & discipline **Students must have own transportation for this course. **Application is required with teacher/counselor approval. Uniforms are required and are worn during clinical rotations and field trips. There will be fees associated with this program. Participation in HOSA is optional; however, students are encouraged to join. Membership dues are \$37.00 annual

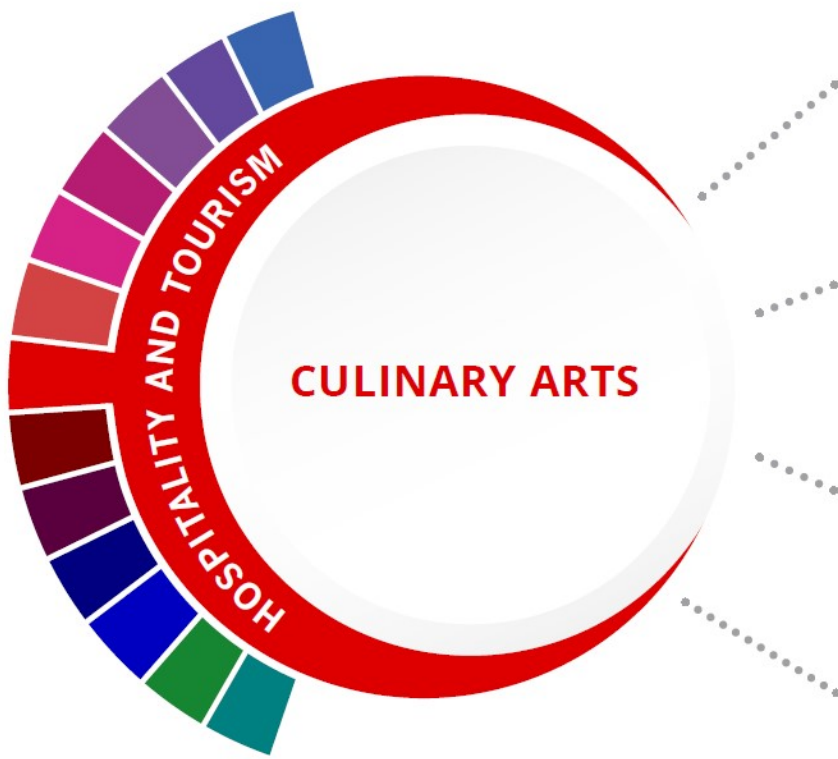
7715 Medical Microbiology (Grade 10-12; 1 Credit)

SERVICE ID # 13020700

The Medical Microbiology course is designed to explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Students must meet the 40% laboratory and fieldwork requirement. This course satisfies a high school science graduation requirement.



Hospitality and Tourism Cluster



Level 1 Business Information Management I

Level 2 Culinary Arts

Level 3 Advanced Culinary Arts

Level 4 Practicum in Culinary Arts

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

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%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Family, Career, and Community Leaders of America (FCCLA), SkillsUSA, American Culinary Federation, Texas Restaurant Association	Plan a catering event or work for a catering company; participate in a cooking course; work in a restaurant; cook at home

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

The 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.



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

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



TCHS and LMHS

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Business Information Management I	7767	13011400 (1 Credit)	None	9
Culinary Arts	7713	13022600 (2 credits)	None	10
Advanced Culinary Arts	7717	13022650 (2 credits)	PREQ: Culinary Arts	11
Practicum in Culinary Arts	7810	13022700 (2 credits)	PREQ: Advanced Culinary Arts	12

7767 Business Information Management I (Grades 9-12; 1 Credit)

SERVICE ID # 13011400

In Business Information Management I, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software. **(This will be a required course for graduation starting with the freshman class of 2022.)**

7713 Culinary Arts (Grades 10-12; 2 Credits)

SERVICE ID # 13022600

Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification, a Texas culinary specialist certification, or any other appropriate industry certification. This course may be offered as a laboratory-based or internship course. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

7717 Advanced Culinary Arts (Grades 11-12; 2 Credits)

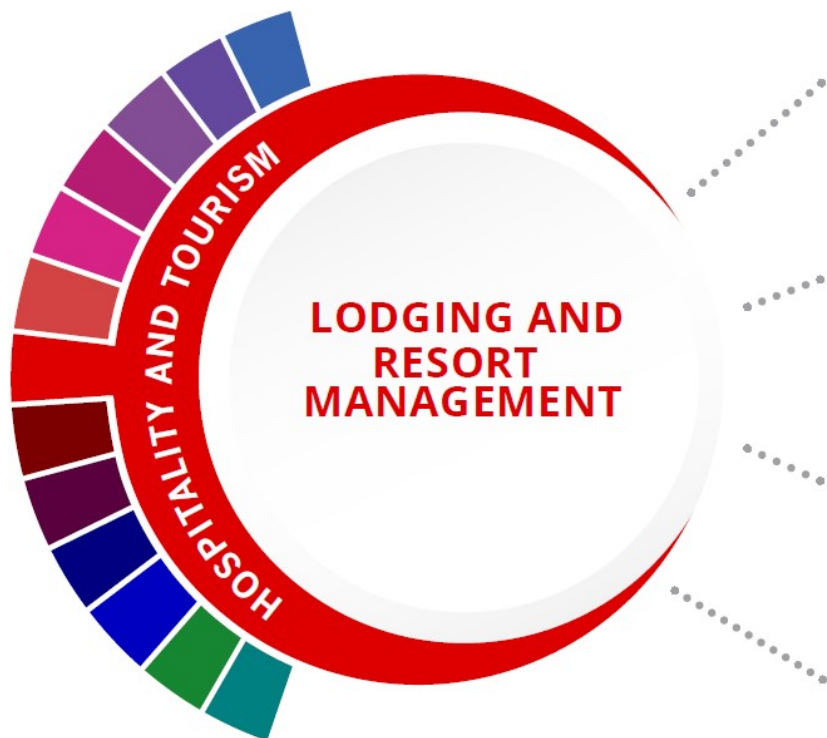
SERVICE ID # 13022650

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

7810 Practicum in Culinary Arts (Grade 12; 2 Credits)

SERVICE ID # 13022700

Practicum in Culinary Arts is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing culinary art-based workplace.



Level 1 Principles of Hospitality and Tourism

Level 2 Hotel Management

Level 3 Hospitality Services

Level 4 Career Preparation I

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

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

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

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

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

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



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

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



TCHS

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Hospitality and Tourism	7800	13022200 (1 credit)	None	9
Hotel Management	7811	13022300 (1 credit)	PREQ: Principles of Hospitality and Tourism	10
Hospitality Services	7701	13022800 (2 credits)	PREQ: Hotel Management	11
Career Preparation I	7729	12701305 (2 credits)	PREQ: Hospitality Services	12

7800 Principles of Hospitality and Tourism (Grades 9-12: 1 Credit)

SERVICE ID # 13022200

The hospitality and tourism industry encompasses lodging; travel and tourism; recreation, amusements, attractions, and resorts; and restaurants and food beverage service. The hospitality and tourism industry maintains the largest national employment base in the private sector. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

7811 Hotel Management (Grades 10-12; 1 Credit)

SERVICE ID # 13022300

Hotel Management focuses on the knowledge and skills needed to pursue staff and management positions available in the hotel industry. This in-depth study of the lodging industry includes departments within a hotel such as front desk, food and beverage, housekeeping, maintenance, human resources, and accounting. This course will focus on, but not be limited to, professional communication, leadership, management, human resources, technology, and accounting.

7701 Hospitality Services (Grades 10-12; 2 Credits)

SERVICE ID # 13022800

The hospitality and tourism industry encompasses lodging; travel and tourism; recreation, amusements, attractions, and resorts; restaurants and food/beverage services. The hospitality and tourism industry maintains the largest national employment base in the private sector. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry. Hospitality Services provides students with preparation to pursue high-demand and high-skill careers in hospitality related industries.

7729 Career Preparation I (Grade 12; 2 Credits)

SERVICE ID # 12701305

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



Law and Public Service Cluster



Level 1 Principles of Law, Public Safety, Corrections, and Security

Level 2 Law Enforcement I

Level 3 Law Enforcement II

Level 4 Practicum in Law, Public Safety, Corrections, and Security (Required)
Forensic Science (Recommended)

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

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%

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

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

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

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



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

TCHS and LMHS

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Law, Public Safety, Corrections, and Security	7834	13029200 (1 credit)	None	9
Law Enforcement I	7835	13029300 (1 credit)	PREQ: Principles of Law, Public Safety, Corrections, and Security	10
Law Enforcement II	NEW for the 2023-2024 School Year	13029400 (1 credit)	PREQ: Law Enforcement I	11
Practicum in Law, Public Safety, Corrections, and Security	NEW for the 2024-2025 School Year	13030100 (2 credits)	PREQ: Law Enforcement II	12
Forensic Science	7828	13029500 (1 credit)	PREQ: Biology and Chemistry	12

7834 Principles of Law, Public Safety, Corrections, & Security (Grades 9-10; 1 Credit)

SERVICE ID # 13029200

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

7835 Law Enforcement I (Grades 10-12; 1 Credit)

SERVICE ID # 13029300

Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. Students will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime.

Law Enforcement II (Grades 11-12; 1 Credit) NEW for the 2023-2024 school year!

SERVICE ID # 13029400

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

Practicum in Law, Public Safety, Corrections, and Security (Grades 11-12; 2 Credits) NEW for the 2024-2025 school year! SERVICE ID # 13030100

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

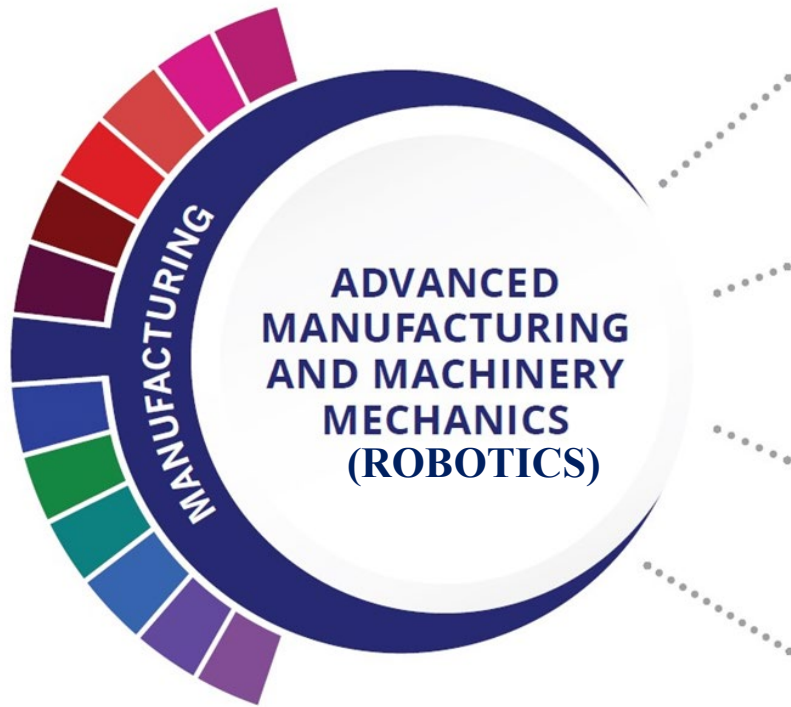
7828 Forensic Science (Grades 11-12; 1 Credit)

SERVICE ID # 13029500

This course uses a structured and scientific approach to the investigation of crimes and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes. Students will learn the history, legal aspects, and career options for forensic science. Outside research will be required. Students will be required to maintain a bound composition notebook. This course satisfies a Science credit requirement for the Foundation High School Program.



Manufacturing Cluster



Level 1 Principles of Applied Engineering

Level 2 Engineering Design and Presentation I

Level 3 Robotics I
Robotics II

Level 4 Practicum in Manufacturing

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
FANUC Robot Operator 1	Engineer, Professional	Electro-mechanical Engineering/Technology	Electrical Engineering	Electrical Engineering
Mastercam Associate Level Certification	Certified Quality Technician	Certified Quality Technician	Industrial Engineering	Industrial Engineering
NCCER Industrial Maintenance Mechanic	Plant Maintenance Technologist	Industrial Mechanics and Maintenance Technology	Mechanical Engineering	Mechanical Engineering
NIMS Industrial Technology Maintenance - Maintenance Operations				

Occupations	Median Wage	Annual Openings	% Growth
Electro-Mechanical Assemblers	\$30,160	951	9%
Electro-Mechanical Technicians	\$56,555	127	9%
Industrial Machinery Mechanics	\$49,816	3,788	27%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Participate in SkillsUSA and local STEM events	Apprenticeship at a local business or industry American Welding Society

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

The Advanced Manufacturing and Machinery Mechanics program of study focuses on the assembly, operation, maintenance, and repair of electromechanical equipment or devices. CTE learners may work in a variety of mechanical fields, gaining knowledge and experience in robotics, refinery and pipeline systems, deep ocean exploration, or hazardous waste removal. CTE concentrators may work in a variety of fields of engineering.



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

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



TCHS and LMHS

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Applied Engineering	7823	13036200 (1 credit)	None	9
Engineering Design and Presentation I	7824	13036500 (1 credit)	PREQ: Algebra I	10
Robotics I	7820	13037000 (1 credit)	PREQ: Occupational Safety and Environmental Technology I	11
Robotics II	7821	13037050 (1 credit)	PREQ: Robotics I	11
Practicum in Manufacturing	7818	13033000 (2 credits)	PREQ: Robotics II	12

7823 Principles of Applied Engineering (Grade 9-10; 1 Credit)

SERVICE ID # 13036200

Principles of Applied Engineering provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware and software applications to complete assignments and projects.

7824 Engineering Design and Presentation I (Grades 10-12; 1 Credit)

SERVICE ID # 13036500

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

7820 Robotics I (Grades 11-12; 1 Credit 1st Semester) Co requisite: 7821 Robotics II

SERVICE ID # 13037000

7821 Robotics II (Grades 11-12; 1 Credit 2nd Semester) Co requisite: 7820 Robotics I

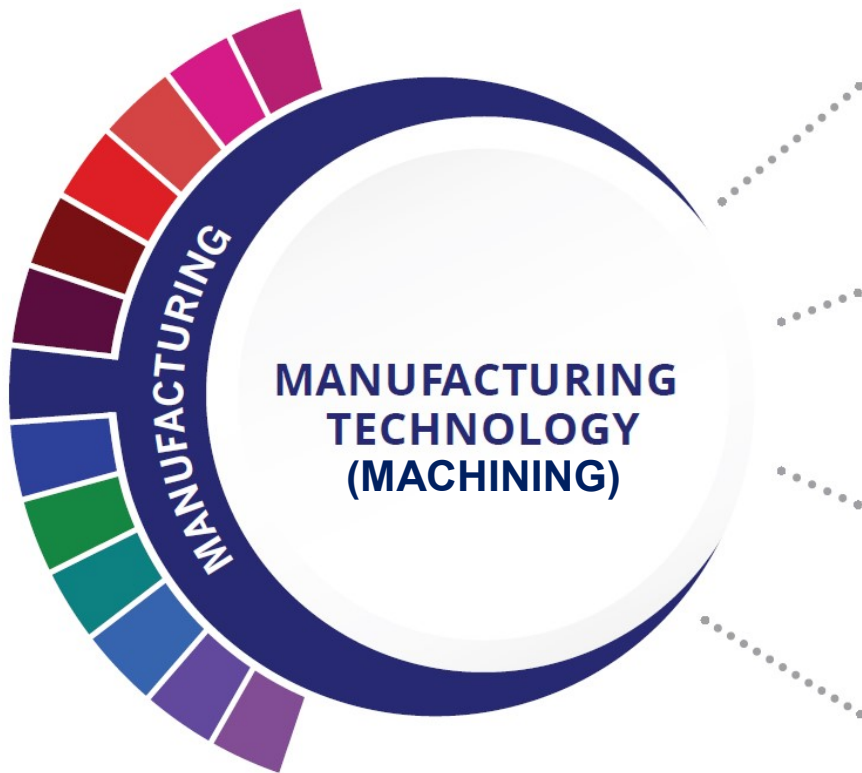
SERVICE ID # 13037050

Robotics I and II uses a competition format to teach scientific method and engineering design. In the fall and early spring, students enrolled in this course prepare for SkillsUSA and VEX robotics competitions by designing, building, and programming a robot that can complete specified tasks. Students use a variety of tools to build the robot and must document their work with an array of computer skills including, but not limited to, Word, PowerPoint, and RobotC. Tasks change from year to year and students may take this course more than once. Students taking this course should expect to attend 3-5 Saturday competition dates, and 2-3 after school shop periods per week during the competition season. Advanced Robotics Programming & Design IB may be taken as the 3rd math credit for the FHSP. **Weighted points will be awarded.**

7818 Practicum in Manufacturing (Grades 11-12; 2 Credits)

SERVICE ID # 13033000

Practicum in Manufacturing uses a competition format to teach scientific method and engineering design. In the fall and early spring, students enrolled in this course prepare for SkillsUSA and VEX robotics competitions by designing, building, and programming a robot that can complete specified tasks. Students use a variety of tools to build the robot and must document their work with an array of computer skills including, but not limited to, Word, PowerPoint, and RobotC. Tasks change from year to year and students may take this course more than once. Students taking this course should expect to attend 3-5 Saturday competition dates, and 2-3 after school shop periods per week during the competition season. **Weighted points will be awarded.**



Level 1 Principles of Manufacturing

Level 2 Precision Metal Manufacturing I
Diversified Manufacturing I

Level 3 Precision in Metal Manufacturing II

Level 4 Practicum in Manufacturing

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

Occupations	Median Wage	Annual Openings	% Growth
Mechanical Engineering Technicians	\$57,117	453	9%
CNC Machine Operators	\$39,250	1,319	12%
Aerospace Engineering and Operations Technicians	\$60,757	114	9%
Electrical and Electronics Engineering Technicians	\$60,382	1,439	9%
Industrial Engineering Technicians	\$61,672	326	9%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Participate and compete in SkillsUSA Job shadow a machinist	Apprenticeship at a local business or industry American Welding Society

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

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



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

Successful completion of the Manufacturing Technology program of study will fulfill requirements of the Business and Industry and STEM Endorsement if math and science requirements are met. Revised - July 2020



ITC

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Manufacturing	7774	13032200 (1 credit)	None	9
Diversified Manufacturing I	7824	13032650 (1 credit)	PREQ: Principles of Manufacturing	10
Precision Metal Manufacturing I	7775	13032500 (1 credit)	PREQ: Principles of Manufacturing	10
Precision Metal Manufacturing II	7871	13032600 (2 credits)	PREQ: Precision Metal Manufacturing I	11
Practicum in Manufacturing	7875	13033000 (2 credits)	PREQ: Precision Metal Manufacturing II	12

7774 Principles of Manufacturing (Machinist ITC Building) (Grades 9-12; 1 Credit)

SERVICE ID # 13032200

In Principles of Manufacturing, students are introduced to knowledge and skills used in the proper application of principles of manufacturing. The study of manufacturing technology allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities. Students will gain an understanding of what employers require to gain and maintain employment in manufacturing careers. **Drug testing is mandatory for this course.**

7824 Diversified Manufacturing I (Machinist ITC Building) (Grades 10-12; 1 Credit) Co Requisite: 7775

SERVICE ID # 13032650

In Diversified Manufacturing I, students gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. The study of manufacturing systems allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in a manufacturing setting. Diversified Manufacturing I allows students the opportunity to understand the process of mass production by using a wide variety of materials and manufacturing techniques. Knowledge about career opportunities, requirements, and expectations and the development of skills prepare students for workplace success. **Drug testing is mandatory for this course.**

7775 Precision Metal Manufacturing (Machinist ITC Building) (Grades 10-12; 1 Credit) Co Requisite: 7824

SERVICE ID # 13032500

Rapid advances in technology have created new career opportunities and demands in many industries. Precision Metal Manufacturing provides the knowledge, skills, and technologies required for employment in metal technology systems. This course may also address a variety of materials in addition to metal such as plastics, ceramics, and wood. Students develop knowledge of the concepts and skills related to these systems to apply them to personal and career development. This course supports integration of academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for success. Students will be required to purchase boots. **Drug testing is mandatory for this course.**

7871 Precision Metal Manufacturing II (Machinist ITC Building) (Grades 11-12; 2 Credits)

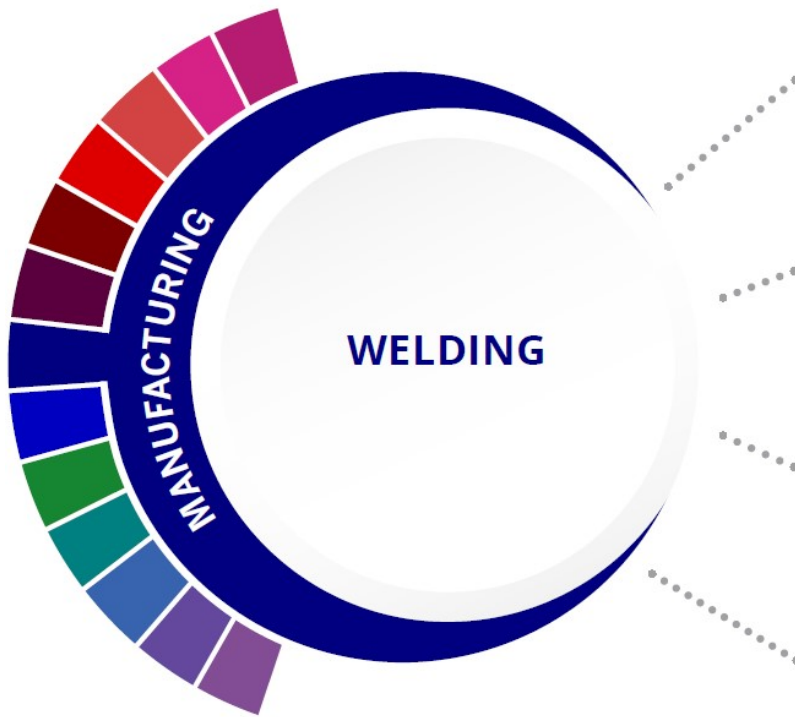
SERVICE ID # 13032600

This course is designed to enhance the technical knowledge and skills learned in Precision Metal Manufacturing by allowing students the opportunity to explore career preparation that has resulted from the rapid advances in technology and career demands in high-skill, high-wage opportunities. Advanced Precision Metal Manufacturing provides the knowledge, skills, and technologies required for employment in a globally competitive manufacturing environment. This course may also address a variety of materials in addition to metal such as plastics, ceramics, and wood. Students need to develop concepts and skills related to this system in order to apply them to personal and professional development. Career and technical education support the integration of academic and career and technical knowledge and skills. Students must have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success. Students will be required to purchase boots. **Drug testing is mandatory for this course.**

7875 Practicum in Manufacturing (Machinist - ITC Building) (Grade 12; 2 Credits)

SERVICE ID # 13033000

The Practicum in Manufacturing course is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Students will be required to purchase boots. **Drug testing is mandatory for this course.**



- Level 1** Introduction to Welding

- Level 2** Welding I

- Level 3** Welding II

- Level 4** Practicum in Manufacturing

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

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

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
Participate and compete in SkillsUSA Job shadow a machinist	Apprenticeship at a local business or industry American Welding Society

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

The 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 individual machines, and how to use hand-welding or flame-cutting equipment.



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

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



ITC

Class of 2026 and Beyond

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Introduction to Welding	7713	13032250 (1 credit)	None	9
Welding I	7785	13032300 (2 credits)	PREQ: Intro. To Welding	10
Welding II	7799	13032400 (2 credits)	PREQ: Welding I	11
Practicum in Manufacturing	NEW for the 2025-2026 school year	13033000 (2 credits)	PREQ: Welding II	12

Class of 2023 - 2025

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Business Information Management I	7767	13011400 (1 Credit)	None	9
Introduction to Welding	7713	13032250 (1 credit)	None	10
Welding I	7785	13032300 (2 credits)	PREQ: Intro. To Welding	11
Welding II	7799	13032400 (2 credits)	PREQ: Welding I	12

7713 Intro to Welding (Grade 10; 1 Credit)**SERVICE ID # 13032250**

This course provides the student with job skills in the following areas: electric arc welding, oxy/acetylene welding and brazing, basic layout and fabrication, and the development of good work habits. It prepares students to pass the entry level welding exams required for employment. Students must furnish appropriate work clothes to be left in the lab. Students will be required to purchase boots. **(Drug testing required for this course.)**

7785 Welding I (ITC Building) (Grades 11-12; 2 Credits)**SERVICE ID # 13032300**

This course provides the student with job skills in the following areas: electric arc welding, oxy/acetylene welding and brazing, basic layout and fabrication, and the development of good work habits. It prepares students to pass the entry level welding exams required for employment. Students must furnish appropriate work clothes to be left in the lab. Students will be required to purchase boots. **(Drug testing required for this course.)**

7799 Welding II (ITC Building) (Grade 11-12; 2 Credits)**SERVICE ID # 13032400**

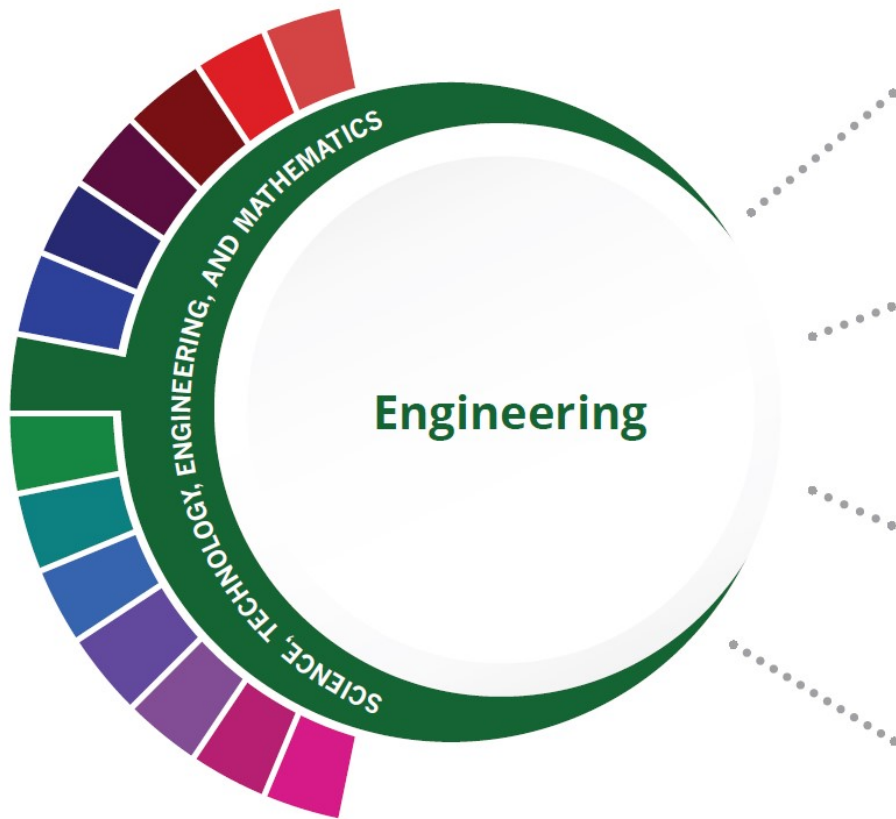
This course provides the student with job skills in the following areas: advanced electric arc welding; SMAW, GTAW, and GMAW welding of plate and pipe; advanced layout and fabrication; and development of self-motivated work skills and habits. Students will be required to purchase boots. **(Drug testing required for this course.)**

Practicum in Manufacturing (Welding- ITC Building) (Grade 12; 2 Credits) NEW for the 2025-2026 school year!**SERVICE ID # 13033000**

In the Practicum in Information Technology, students will gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge and skills in the proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an industry mentor, as an unpaid or paid internship, as part of a capstone project, or as career preparation. **(Drug testing required for this course.)**



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



- Level 1** Introduction to Engineering Design (PLTW)

- Level 2** Principles of Engineering

- Level 3** Engineering and Design and Development (PLTW)

- Level 4** Practicum in STEM

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

Occupations	Median Wage	Annual Openings	% Growth
Aerospace Engineers	\$110,843	481	9%
Industrial Engineers	\$97,074	1,263	10%
Mechanical Engineers	\$91,107	1,535	11%
Chemical Engineers	\$112,819	474	9%
Electrical Engineers	\$98,405	1,137	10%

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

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

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



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

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



TCHS and LMHS

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Introduction to Engineering Design (PLTW)	7790	N1303742 (1 credit)	None	9
Engineering Science	7791	13037500 (1 credit)	PREQ: Algebra I and Biology Chemistry, Integrated Physics, and Chemistry (IPC), or Physics, Intro to Engineering Design	10
Engineering Design and Development (PTLW)	7793	N1303749 (1 credit)	PREQ: Engineering Science	11
Practicum in Science, Technology, Engineering, and Mathematics	7794	13037400 (2 credits)	PREQ: Algebra I and Geometry, Engineering Design and Development	12

7790 Introduction to Engineering Design (IED) (Grades 9-10; 1 Credit)

SERVICE ID # N1303742

Introduction to Engineering is the first course in the Project Lead the Way – Pathway to Engineering sequence. The major focus of this course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation. Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software and use an engineering notebook to document their work. **(Weighted points will be awarded. This course qualifies for Dual Credit through UT Tyler, see Teacher)**

7791 Principles of Engineering (POE) (Grades 10-11; 1 Credit)

SERVICE ID # 13037500

Students employ engineering and scientific concepts in the solution of engineering design problems. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. This course satisfies a 3rd or 4th Science credit for graduation. **(Weighted points will be awarded. This course qualifies for Dual Credit through UT Tyler, see Teacher).**

7793 Engineering Design and Development (EDD) (Grade 11; 1 Credit)

SERVICE ID # N1303749

The knowledge and skills students acquire throughout PLTW Engineering come together in EDD as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing EDD ready to take on any post-secondary program or career. This is an engineering research course in which students will work in teams to research, design, test, and construct a solution to an open-ended engineering problem. This course satisfies a 3rd or 4th Science credit for graduation. **(Weighted points will be awarded.)**

7794 Practicum in STEM (Grade 12; 2 Credits)

SERVICE ID # 13037400

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



Regional Career and Technical Programs of Study



Level 1	Business Information Management I
Level 2	Introduction to Cosmetology
Level 3	Cosmetology I/ Lab
Level 4	Cosmetology II/ Lab

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
Cosmetology Operator License	Certified Aesthetic Laser Operator	Cosmetology/Cosmetologist, General		
Cosmetology Esthetician Specialty License	Cosmetologist	Aesthetician/Esthetician and Skin Care Specialist		
Cosmetology Manicurist Specialty License	Certified Spa Supervisor	Salon/Beauty Salon Management/Manager		
Barber Operating License	Nail Technician/Specialist and Manicurist	Cosmetology, Barber/Styling and Nail Instructor		

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%

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

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
Participation in a Career and Technical Student Organization such as TIVA, or SKILLS USA	Job shadow a cosmetologist Work part-time at a beauty salon, spa, or barbershop

The Cosmetology and Personal Care Services 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.



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



TCHS and LMHS

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Business Information Management I	7767	13011400 (1 Credit)	None	9
Introduction to Cosmetology	7780	13025100 (1 Credit)	None	10
Cosmetology I/Lab	7781	13025210 (3 credits)	PREQ: Intro to Cosmetology	11
Cosmetology II/Lab	7782	13025310 (3 credits)	PREQ: Cosmetology I	12

7767 Business Information Management I (Grades 9-12; 1 Credit)

SERVICE ID # 13011400

In Business Information Management I, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software. **(This will be a required course for graduation starting with the freshman class of 2022.)**

7780 Introduction to Cosmetology (Grades 10; 1 Credit)

SERVICE ID # 13025100

In Introduction to Cosmetology, students explore careers in the cosmetology industry. To prepare for success, students must have academic and technical knowledge and skills relative to the industry. Students may begin to earn hours toward state licensing requirements. Students will be required to purchase the TDLR permit and a small fee for supplies.

7781 Cosmetology I/Lab (Grade 11; 3 Credits)

SERVICE ID # 13025210

Cosmetology I is the first phase of a two-year program. Students are trained in all phases of Cosmetology. This class prepares students to take a state exam so they can earn a Cosmetology license. Students are required to sign up and be approved for the class and attend a parent meeting. There is a fee for this class and it is recommended to let your counselor know in the 9th grade if you plan to enroll in this class. **(Must attend parent meeting scheduled by teacher.)**

7782 Cosmetology II/Lab (Grade 12; 3 Credits)

SERVICE ID # 13025310

Cosmetology II is a continuation of Cosmetology I. Students are taught employability skills and work on clients in a real salon setting. Upon completion of the program requirements and meeting the required hours, students will be given the opportunity to take the state board licensure examination. The school will pay for the students to take their exam. A \$60.00 deposit is required from the student and will be returned when the student takes the exam. Licensed students can go directly in a salon for employability. Advanced technical classes are offered to students to better prepare them for employability. Students are required to pay for the following: Advanced class-price of products for class.



Level 1 Business Information Management I

Level 2 Introduction to Barbering

Level 3 Barbering I

Level 4 Barbering II

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
Cosmetology Operator License	Certified Aesthetic Laser Operator	Cosmetology/Cosmetologist, General		
Cosmetology Esthetician Specialty License	Cosmetologist	Aesthetician/Esthetician and Skin Care Specialist		
Cosmetology Manicurist Specialty License	Certified Spa Supervisor	Salon/Beauty Salon Management/Manager		
Barber Operating License	Nail Technician/Specialist and Manicurist	Cosmetology, Barber/Styling and Nail Instructor		

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%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Participation in a Career and Technical Student Organization such as TIVA, or SKILLS USA	Job shadow a cosmetologist Work part-time at a beauty salon, spa, or barbershop

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

The Cosmetology and Personal Care Services 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.



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

Successful completion of the Cosmetology and Personal Care Services regional program of study will fulfill requirements of the Public Service Endorsement. See the regions approved to offer this program of study at <https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/regional-programs-of-study>. Revised - July 2020.



LMHS

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Business Information Management I	7767	13011400 (1 Credit)	None	9
Introduction to Barbering	7886	13025100 (1 Credit)	None	10
Barbering I	NEW for the 2023-2024 school year!	N1302534 (3 Credits)	PREQ: Introduction to Cosmetology	10-12
Barbering II	NEW for the 2024-2025 school year!	N1302535 (3 Credits)	PREQ: Barbering I	10-12

7767 Business Information Management I (Grades 9-12; 1 Credit)

SERVICE ID # 13011400

In Business Information Management I, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software. **(This will be a required course for graduation starting with the freshman class of 2022.)**

7886 Introduction to Barbering (Grades 10; 1 Credit)

SERVICE ID # 13025100

In Introduction to Cosmetology, students explore careers in the cosmetology industry. To prepare for success, students must have academic and technical knowledge and skills relative to the industry. Students may begin to earn hours toward state licensing requirements. Students will be required to purchase the TDLR permit and a small fee for supplies. **(This course will begin for Barbering students in 2022-2023)**

Barbering I (Grades 10-12; 3 Credits) NEW for the 2023-2024 school year!

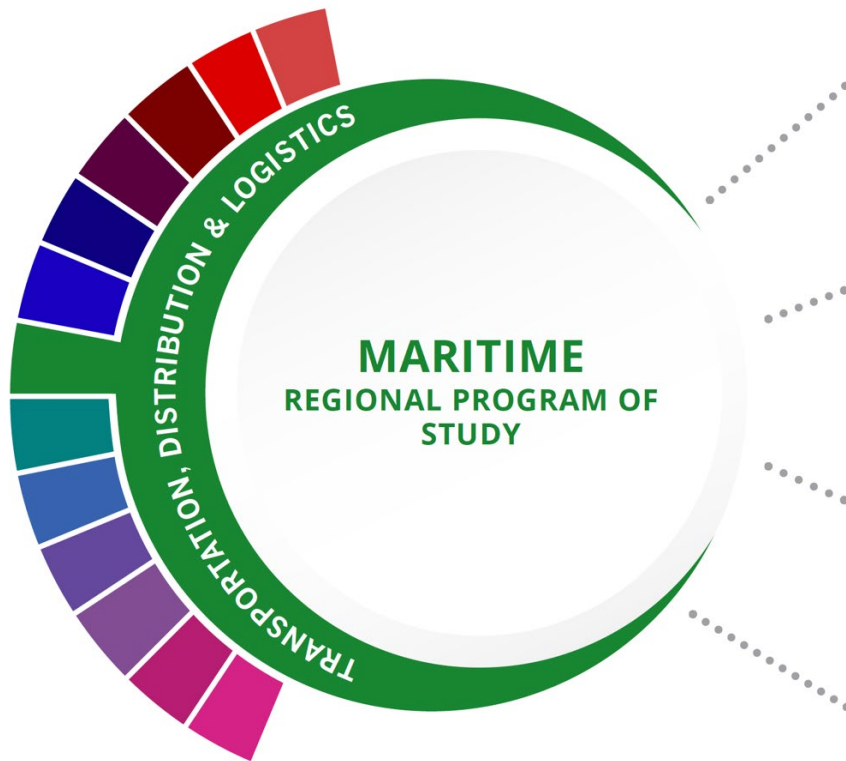
SERVICE ID # N1302534

Barbering is an extended course of study that enables students to become licensed barbers through Texas Department of Licensing and Regulation (TDLR). Barbering is one program of study that allows students to earn an industry certificate that launches them into a professional career immediately, yet also specifies rigorous core curricula that prepares the student to be successful in a post-secondary learning environment.

Barbering II (Grades 10-12; 3 Credits) NEW for the 2024-2025 school year!

SERVICE ID # N1302535

Barbering is an extended course of study that enables students to become licensed barbers through Texas Department of Licensing and Regulation (TDLR). Barbering is one program of study that allows students to earn an industry certificate that launches them into a professional career immediately, yet also specifies rigorous core curricula that prepares the student to be successful in a post-secondary learning environment.



Level 1	Principles of Maritime Science
Level 2	Maritime Science I Introduction to Shipboard Engineering
Level 3	Maritime Science II Advanced Shipboard Engineering
Level 4	Practicum in Distribution and Logistics

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE
	Motorboat Operators	Captains, Mates, and Pilots	Marine Transportation	Maritime Resources Management
	Sailors and Marine Oilers		Marine Transportation	Maritime Administration and Logistics
			Transportation, Storage, and Distribution Managers	

Occupations	Median Wage	Annual Openings	% Growth
Sailors and Marine Oilers	\$41,018	387	9%
Captains, Mates, and Pilots of Water Vessels	\$117,686	413	16%
Motorboat Operators	\$44,970	22	16%
Ship Engineers	\$76,752	87	15%

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

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
Participate in SkillsUSA	Apprenticeships Internships Part-time or summer employment

The Maritime regional program of study introduces CTE learners to the occupations and education opportunities related to operating water vessels, maintenance procedures, maritime navigational aids, maritime traffic controls, and communications equipment to ensure conformance with federal safety regulations.



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

ITC

Class of 2026 or Beyond

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Maritime Science	7783	N1304661 (1 credit)	None	9
Maritime Science I	7784	N1304662 (1 credit)	PREQ: Principles or Maritime Science	10
Introduction to Shipboard Engineering	7861	N1304666 (1 credit)	PREQ: Principles of Maritime Science	10
Maritime Science II	7884	N1304663 (1 credit)	PREQ: Maritime Science I and Introduction to Shipboard Engineering	11
Advanced Shipboard Engineering	7862	N1304667 (1 credit)	PREQ: Introduction to Shipboard Engineering	11
Practicum in Distribution and Logistics	7885	13040470 (2 credits)	PREQ: Maritime Science I and II	12

Class of 2023 - 2025

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Business Information Management I	7767	13011400 (1 Credit)	None	Carpentry 9
Maritime Science I	7784	N1304662 (1 credit)	PREQ: None	10
Introduction to Shipboard Engineering	7861	N1304666 (1 credit)	PREQ: None	10
Maritime Science II	7884	N1304663 (1 credit)	PREQ: Principles of Maritime/Introduction to Distribution and Logistics	11
Advanced Shipboard Engineering	7862	N1304667 (1 credit)	PREQ: Principles of Maritime/Introduction to Distribution and Logistics	11

COURSE NAME	LOCAL ID	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Practicum in Distribution and Logistics	7885	13040470 (2 credits)	PREQ: Maritime Science I and II	12

7783 Principles of Maritime Science (ITC Building) (Grades 10-12; 1 Credit)

SERVICE ID # N1304661

This course is designed to instruct students in the principles of maritime science as outlined by the Code of Federal Regulations (CFR) directly related to the National Maritime Center and the Merchant Mariner Credentialing Program. **Drug testing is mandatory for this course.**

7784 Maritime Science I (ITC Building)

SERVICE ID # N1304662

(Grades 11-12; 1 Credit) Co Requisite: 7861 Introduction to Shipboard Engineering

This course provides training for entry-level employment and a basis for continuing education in deck and piloting careers and merchant mariner credentialing. This course instructs students in progressing aspects of vessel piloting and navigation, safety of life at sea, voyage planning, shipboard damage control, and marine pollution. **Drug testing is mandatory for this course.**

7861 Introduction to Shipboard Engineering (ITC Building)

SERVICE ID # N1304666

(Grades 10-12; 1 Credit) Co Requisite: 7784 Maritime Science I

Introduction to Shipboard Engineering is designed to provide training for entry-level employment and/or a basis for continuing education in shipboard engineering and merchant mariner credentialing. This course will build on the foundational knowledge previously acquired in the Principles of Maritime Science course. Shipboard engineering includes knowledge of the functions, troubleshooting, maintenance and repair of the systems and components of maritime engines such as centrifuge engines, outboards, and portable dewatering pumps. In addition, students will receive instruction in safety, emergency procedures, and shipboard auxiliary systems. **Drug testing is mandatory for this course.**

7884 Maritime Science II (ITC Building)

SERVICE ID # N1304663

(Grades 11-12; 1 Credit) Co Requisite: 7862 Advanced Shipboard Engineering

Students will develop new skills such as advanced navigation coordination, collision avoidance, briefing the command, electronic navigation theory, basic, routine and emergency ship handling procedures, and external communications. **Drug testing is mandatory for this course.**

7862 Advanced Shipboard Engineering (ITC Building)

SERVICE ID # N1304667

(Grades 11-12; 1 Credit) Co Requisite: 7884 Maritime Science II

The Advanced Shipboard Engineering course includes advanced knowledge of the function, design, and relationships of the systems and components of propulsion and habitability systems. This course will build on knowledge and skills established in the Principles of Maritime Science and Introduction to Shipboard Engineering courses. This course is designed to provide advanced training for employment, licensures, or post-secondary degree programs in the shipboard engineering industry. Instruction includes functions and components of cooling, fuel, lubricating, electrical, air conditioning and refrigeration, propulsion, and mechanical systems of maritime diesel engines. In addition, the students will receive instruction in safety, engine instruments, and environmental compliance. **Drug testing is mandatory for this course.**

7885 Practicum in Distribution and Logistics (ITC Building) (Grade 12; 2 Credits)

SERVICE ID # 13040470

Practicum in Distribution and Logistics 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. The Practicum can be either school lab based or work based. **Drug testing is mandatory for this course.**



TCISD Industrial Trades Center (ITC)

MANDATORY DRUG-TESTING PROGRAM

Because certain student activities offered are “safety sensitive,” and because the use of illegal drugs or alcohol may well pose a significant threat to the health and safety of all students who participate in these activities, the District has determined the need to implement a mandatory random drug-testing program.

The purposes of the drug-testing program are to prevent injury, ill-ness, and harm resulting from the use of illegal and performance-enhancing drugs or alcohol; help enforce a drug-free educational environment; deter student use of illegal and performance-enhancing drugs or alcohol; and educate students regarding the harm caused by the use of illegal and performance-enhancing drugs or alcohol.

The District requires drug testing of any student in grades 9–12 who choose to participate in the District industrial trades center programs.

The District shall provide each parent and student a copy of the drug-testing policy and consent form prior to the student's participation in the covered courses or activities.

The District shall conduct meetings with parents and interested student participants prior to the beginning of the fall semester.

District employees shall explain the drug-testing program, review the policy and consent form, and provide an educational presentation on the harmful effects of drug and alcohol abuse. Student attendance at the orientation meeting is mandatory; how-ever, parent attendance is not required.

Before a student shall be eligible to participate in the specified activities, the student shall be required annually to sign a consent form agreeing to be subject to the rules and procedures of the drug-testing program. If the student is under the age of 18, the student's parent or guardian shall also sign a consent form. If appropriate consent is not given, the student shall not be allowed to participate in the covered activities.

Drug test results shall be used only to determine eligibility and participation in the specified activities. Positive drug test results shall not be used to impose disciplinary sanctions.

Drug test results shall be confidential and shall be disclosed only to the student, the student's parent, and designated District officials who need the information in order to administer the drug-testing program. Drug test results shall not be maintained with a student's academic record. Results shall not be otherwise disclosed except as required by law.

The District shall contract for drug-screening services through an independent laboratory that has met all standards for certification as established by the Substance Abuse and Mental Health Services Administration (SAMHSA), and all testing shall be conducted by qualified laboratory personnel in accordance with accepted practices and procedures established by the contracted laboratory. [See FNF Local](#)

TCISD Public Notification in Career and Technology Education Programs

Texas City Independent School District offers career and technology education programs in Agriculture-Food and Natural Resources, Architecture and Construction, Arts-A/V Technology and Communication, Business Marketing & Finance, Hospitality and Tourism, Human Services, Manufacturing, Maritime, Cosmetology, Education & Training, Health Science, Law & Public Service, and STEM. Admission to these programs is based on interest and aptitude, age appropriateness, class space, and satisfying Pre-requisites and co requisites.

It is the policy of Texas City 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. Texas City Independent School District will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.

For information about your rights or grievances procedures, contact the Title IX coordinator, Mr. Marcus Higgs, Director of Human Resources, at the TCISD Administration Building, 1700 Ninth Avenue North, Texas City, TX 77590, (409) 916-0107, and/ or the section 504 Coordinator, Donna Peterson, at the TCISD Administration Building, 1700 Ninth Avenue North, Texas City, TX 77590, (409) 916-0106.

TCISD El Publico Notification en la Carrera y la Educacion de Programas de Tecnologias

Texas City Independent School District ofrece programas vocacionales en Agricultura y Recursos Naturales, Arquitectura y Construcción, Tecnología de Artes A/V y Comunicación, la Gerencia y Gerencia Comercial, y Capacitación, Ciencia de Salud, Hoteleria y Turismo, la Manufactura y Servicios Humanos, y Ciencia Tecnología Ingeniero y Matemáticas. La admisión a estos programas se basa en el interés y la aptitud, la propiedad de edad, el espacio de clase, y satisfaciendo prerrequisitos y co requistes.

Es norma de Texas City 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, según enmienda; el Titulo IX de las Enmiendas en la Educación, de 1972, y de 1972, y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda. Texas City Independent School District Tomará las medidas necesarias para asegurar que la falta de habilidad en el uso de la lengua inglés no sea un obstáculo para la admisión y participación en todos los programas educativos y vocacionales.

Para información sobre sus derechos o procedimientos para quejas, comuníquese con el Coordinador del Título IX, Mr. Marcus Higgs, Director de Recursos Humanos, en TCISD Administration Building, 1700 Ninth Avenue North, Texas City, TX 77590, (409) 916-0107, y/o el Coordinador de la Sección 504, Donna Peterson, en TCISD Administration Building, 1700 Ninth Avenue North, Texas City, TX 77590, (409) 916-0106.

Educational Planning for Life: Finding the Right Key to Unlocking your Future

College Timeline Grades 8-10

GRADE 8

- Consult 8th grade counselor and teachers for appropriate course selections.
- Choose the most appropriate graduation plan for your proposed post-high school endeavors.
- Attend student/parent evening programs for high school/college planning.
- Students with disabilities please bring your career interests from Naviance and four-year graduation plan to your ARD meeting to provide information on your transition plan.

GRADE 9 – FRESHMAN YEAR

- Plan your high school program of studies with your parents.
- Request college catalogs from colleges of interest to you and plan your high school program of studies accordingly. For example, many colleges and universities require two or more years of a Language Other Than English.
- Begin researching your career choices and the educational requirements of each.
- Attend military academy presentation in your regional area.
- Develop good study habits.
- Participate in a variety of extracurricular activities.
- Complete your 9th grade Naviance Family Connection milestones and four-year plan.
- Students with disabilities please bring your career interests from Naviance Family Connection and four-year graduation plan to your ARD meeting to provide information on your transition plan.
- Check out books, videos, software from career center.
- Choose your 10th grade year courses wisely!
- Meet with college representatives as they visit your school.
- Begin building your **résumé** in Naviance Family Connection.

GRADE 10 – SOPHOMORE YEAR

AUGUST

- Check credits to make sure you are on schedule for graduation requirements.
- Check to make sure your courses meet college entrance requirements.

SEPTEMBER

- Review for the PSAT/NMSQT. Study the PSAT/NMSQT Student Bulletin and old tests. Use computer software and printed aids for study and review additional materials at <http://www.collegeboard.com/student/testing/psat/about.html>

OCTOBER/NOVEMBER

- Take the PSAT/NMSQT for practice. On the test form, check the box which will put you on the mailing list for college information.
- Complete your 10th grade Naviance Family Connection milestones and four-year plan.
- Students with disabilities please bring your career interests from Naviance Family Connection and four-year graduation plan to your ARD meeting to provide information on your transition plan.

DECEMBER/JANUARY

- Plan a program of study for your junior year with your counselor. Learn about opportunities to earn college credit or advanced placement (College Board Advanced Placement Testing). Take as many academic courses as possible.
- Study your PSAT/NMSQT score report. Compare items missed with the correct responses.
- Attend programs about Dual Credit options at your high school campus.

THROUGHOUT THE YEAR

- Continue taking appropriate courses.
- Maintain good grades.
- Gather and review information about colleges.
- Investigate costs of various college programs.
- Continue to review career choices. Check out materials.
- Choose 11th grade year courses wisely!
- Explore opportunities for college dual-enrollment credit.
- Meet with college representatives as they visit your school. Check dates and sign up through Naviance Family Connection.
- Participate in community activities and keep log documenting hours served.
- Seek ways to develop your leadership skills.
- Continue building your résumé in Naviance Family Connection.

*Students with disabilities—please contact your counselor at least 8 weeks prior to registration for any college entrance exam to discuss any accommodations for testing based on ARD committee recommendations.

College Timeline Grade 11 (Junior Year)

AUGUST/SEPTEMBER

- Review your credits/graduation plan and make sure you are on track for graduation.
- Review high school coursework and activity plans. Consider graduating on the highest graduation program – the Distinguished Achievement Program. See your counselor for details.
- Register with NCAA Clearinghouse if you are planning to play college sports.
- Remember, colleges are looking for the following:*
 - Challenging coursework
 - Strong GPA
 - Involvement in extracurricular activities
 - Community Service
- If you do not already have one, obtain a Social Security number. It is necessary to apply for financial aid.
- Consider taking an SAT course to prepare for upcoming SAT.
- Plan to attend the high school College Fair during the fall semester.
- Put together a list of 10 colleges you are interested in. Plan to apply to at least 3-5 schools.
- Talk to your parents and high school counselor about where you want to go to school.
- Study and register for the PSAT (Preliminary SAT). See your counselor for details. Check out additional practice materials at <http://www.collegeboard.com/student/testing/psat/about.html>

October

- Take the PSAT/NMSQT. (Remember to take your calculator.)

November/December

- Complete your 11th grade Naviance Family Connection milestones and four year plan.
- Continue building your résumé in Naviance Family Connection.
- Students with disabilities please bring your career interests from Naviance Family Connection and four-year graduation plan to your ARD meeting to provide information on your transition plan
- Look into eligibility requirements for federal and private student loans.
- Attend Financial Aid night. Check with your counselor for date and time.

January

- PSAT* score report should be in. Use the guide to interpret and understand your score.
- Plan to take the SAT*, SAT Subject Tests*, or ACT* exams if necessary. Check with the colleges you're applying to for specific testing requirements. Register online at <http://sat.collegeboard.org/home> or <http://www.actstudent.org/>. Pay attention to deadlines.
- If you plan to apply for a JROTC scholarship or admission to a service academy, write for application packets.
- Visit the web sites of the colleges that interest you most. Plan to visit the campus of those colleges that interest you. Look for summer enrichment programs specifically geared for rising seniors.

February

- Register and study for the SAT* and/or ACT* exams.

March/April

- Plan a college visit during Spring Break.
- Begin investigating outside funding resources of financial aid.
- Check credits to make sure you are on schedule for graduation requirements.
- Plan a program of study for your senior year with your counselor. Learn about opportunities to earn college credit or advanced placement (College Board Advanced Placement Testing). Take as many academic courses as possible.
- Register for AP tests.
- Register for college entrance tests (SAT*, ACT*, SAT Subject Tests*).
- Begin working on your "Résumé," listing awards, extracurricular activities, work experience, and other pertinent information.

May

- Take the SAT* and/or ACT* exam. . It is critical to take a college admissions test before your senior year. We recommend you take both the SAT* and ACT* tests to determine which style of test is best for you.
- Take SAT Subject* test if needed.
- Take any AP exams you have registered for.
- Consider scheduling college visits for summer months if possible.

JUNE

- Obtain a summer job that might be related to your career interests.
- Look for volunteer opportunities.
- Save money, if possible, to help pay for college costs.
- Schedule college visits if you can coordinate it with travel plans.
- Keep a record of the advantages and disadvantages of each college.
- Request catalogs, applications, financial aid information, and specific information about your proposed major area of study. Check catalogs for SAT Subject Tests or ACT requirements.
- Create a list of persons who you will ask to write a letter of recommendation for you.
- Check out the web.

*Students with disabilities—please contact your counselor at least 8 weeks prior to registration for any college entrance exam to discuss any accommodations for testing based on ARD committee recommendations.

College Timeline Grade 12 (Senior Year)

AUGUST/SEPTEMBER

- Plan to attend the TCISD College Fair during the fall semester.
- Meet with your guidance counselor to review your records and complete your senior contract. Submit required recommendation “brag sheet” to your counselor.
- Register with NCAA Clearinghouse if you are planning to play college sports.
- Register for ACT* or SAT* or SAT Subject* tests if necessary. (If you miss the first fall test date, your next opportunity may be too late to send scores to your college choices).
- Complete senior forms in Naviance (Student Brag Sheet; Parent Brag Sheet; Résumé) to be used for recommendations. If you will need recommendations written for your applications, contact those teachers, counselors, or other individuals this month.
- Narrow college choices to a few schools. Your selection should include at least one that you feel will definitely accept you.
- If you are applying to any Texas Public University and most Two-Year colleges, complete the “Apply Texas” application at <https://www.applytexas.org/>. A universal “Common Application” is also available for private colleges at <https://www.universalcollegeapp.com/>
- Send for or download application materials/financial aid information if you have not already done so.
- Apply for any and all scholarships for which you qualify. Check Naviance Family Connection weekly for additional scholarship opportunities.
- If your college or scholarship applications require essays, GET STARTED. Choose an English teacher to help you critique your work.
- Talk with teachers and other individuals who know you well regarding recommendations.
- Check college catalogs and websites for deadline dates for application for admissions, housing, financial aid, required entrance exam (SAT* or ACT*) and acceptable financial aid form (FAFSA or Profile).
- Begin processing college application forms.
- If you are a candidate for early decision, file your application in time to meet that deadline. Also be sure to check the LAST acceptable test date for an early decision candidate.
- Continue preparation for SAT* or ACT* tests.
- Schedule college tours. Check your school calendar for dates when you are not in school other than holidays. Use these. Call or write ahead for an appointment. Observe TCISD attendance policy.
- Meet with college representatives when they visit your high school.
- Maintain good grades.

OCTOBER

- Continue processing application and recommendation forms to guidance counselors and teachers for completion of their sections. (Teachers and counselors are asked to write numerous recommendations – always allow at least three weeks for them to complete recommendations.) Follow your campus counseling office procedure.
- Arrange for transcripts and recommendations to be sent to colleges through Naviance Family Connection.
- Continue to fill out application forms. On-line applications are preferable for most colleges. Be sure to follow the directions. Many colleges require essay responses. Allow yourself ample time to do a good job. Use spelling and grammar software to check your essay.
- Meet application deadlines for early decision or early action (usually November 1), housing, scholarships, or financial aid as stated by each college. CAUTION: these deadlines may vary by college or university.
- Take/retake the SAT* or ACT*, if necessary.
- Find out the SAT Subject Tests* requirements of your college choices. If required, register to take SAT* subject tests on a date when you will NOT be taking the SAT*. You are not permitted to take the SAT* and SAT Subject Tests* on the same date.
- Continue to submit college application forms, even if you have submitted an early decision or early action application.

NOVEMBER

- Continue to study hard because your first semester senior year grades are very important. Most colleges request a copy of your 1st semester senior grades for admission consideration.
- Continue to complete college applications for admissions. Follow up on letters of recommendation. Request transcripts as needed. Copy ALL forms before you mail them. Mail to meet deadlines as stated by colleges and universities.
- Take/retake ACT*, SAT* or SAT Subject Tests* if necessary.
- All recommendations that have deadlines through January 15 must be submitted to the counselor by December 1.

DECEMBER

- Look back over your timeline to be sure you have completed each step in the college admissions process.
- Most application(s) should be submitted before January first.
- Request that SAT* or ACT* scores be sent to all colleges to which you have applied. If you did not list them when you registered for the tests, fill out the special form for additional college scores. These forms are available in the counseling office. These scores may be ordered by telephone or on the ACT* or College Board websites.
- Expect notification of Early Decision acceptance or deferral by December 15.
- Attend District Financial Aid Night with your parents.
- Take the SAT Subject Tests* that are required by the colleges of your choice. (You signed up for these in October.)
- Ask your parents to begin gathering their financial information.
- The Free Application for Federal Student Aid (FAFSA) or College Scholarship Service Profile must be filed January 1st or later (see <https://studentaid.gov/h/apply-for-aid/fafsa>)

JANUARY

- Complete financial aid forms as needed (Profile/ FAFSA). Submit as soon after January 1 as possible. Submit any supplemental financial forms required by the colleges of your choice.
- Research scholarships and loans.
- If required, complete and return any mid-year reports to colleges which request them. Request a mid-year transcript through Naviance Family Connection.

FEBRUARY

- Keep your grades up . . . finish strong . . . remember that you will be accepted to college “Pending the successful completion of your 12th grade course work.”
- Check deadline dates for financial aid/scholarship grants. Many forms are due March 1.

MARCH

- Register for AP tests as appropriate.

APRIL

- Look for acceptance notices. April 1st is the most popular date for colleges to notify students.
- Carefully choose your college and write the college a letter of acceptance, which the college should receive before May 1.
- Write other colleges to decline their acceptance (also before May 1).
- If you are wait-listed and wish to be kept in consideration, be sure to advise the college in writing.
- If all colleges send rejections, don't panic! There are several alternatives. See your counselor immediately to explore other possibilities.
- Finalize plans for housing, financial aid, and/or scholarships.
- Make any deposit required by the institution you plan to attend. May 1st is the generally accepted nationwide deadline for deposits for fall term. Be sure to check with your college for their exact requirements.

MAY

- Make final choice of college or university, if you have not already done so. Complete all details concerning college admissions.

- Notify your counselor of your final college choice and whether you have been awarded any scholarships (academic, athletic, artistic, dramatic, or musical— NOT LOANS.)
- Complete Graduation Survey in Naviance, including requesting your final transcript.
- Complete SENIOR EXIT FORM indicating colleges applied to, scholarships and grants awarded, and where you want your final transcript to be sent.
- Take AP test(s) as previously decided.

JUNE

- Attend graduation ceremonies and celebrate. HAVE A HAPPY GRADUATION!
- When you receive your Advanced Placement Test grades, if you have not already requested that the scores be sent to the college that you will be attending, request the College Entrance Examination Board to do so.
- Participate in the orientation program of the college you will attend. This may have occurred in the spring, during the summer or just prior to the fall term.
- Consider taking College Level Examination Program (CLEP) exams when you get to college.

*Students with disabilities—please contact your counselor at least 8 weeks prior to registration for any college entrance exam to discuss any accommodations for testing based on ARD committee recommendations.

Helpful Hints for a Visit to a College Campus

Important Note: Students may have two college visits in their Junior year and two in their Senior year, with two week prior approval of their grade level assistant principal and a letter from the college or university verifying the visit.

Preparing for a College Campus Visit

Know Before You Go

It may be tempting to just yell “road trip!” and head out to campuses, but you will get more out of your visits if you plan ahead.

Research the College

It is important to know something about the college before you arrive on its campus, especially if you have an interview scheduled.

- Review the viewbooks, course catalogs, and any other materials the college sends to prospective students.
- Spend some time surfing their website.
- Talk to currently enrolled students or alumni about their college. Some college websites let you contact them online, or you can get their contact information from the admission office.

Scheduling Your Trip

Pick a time that is convenient to you but try to go when classes are in session. That way, you can sit in on a lecture or stay in a dorm overnight. You will only get a true feel for the campus if you are there on a day when classes are in full swing.

Schedule your time on campus, too, to make sure you will have time for everything you want to do:

- Find out how often college tours run, and if you have to sign up in advance.
- Be sure to get a map of the school. You do not want to spend half your day trying to park or find the admission office.
- If an interview is suggested, make an appointment. Also, consider meeting with the financial aid officer.
- If you are curious about a club, program, or a sport, arrange to attend a practice, rehearsal, or meeting.

Pack a Camera and Notebook

Was it X College or Y University that had that excellent exercise equipment in the gym? Where did I talk to that cool psychology professor? You think you will remember everything, but you will be surprised how colleges start to merge after you have seen a few.

Campus Visit Checklist

Make the Most of Your Trip

Here are things you should not miss while visiting a college. Take a look at this list before planning campus trips to make sure that you allow enough time on each campus to get a sense of what the school life of its students is really like:

- Take a campus tour.
- Have an interview with admissions officer.
- Get business cards and names of people you meet for future contacts.
- Pick up financial aid forms.
- Participate in a group information session at the admissions office.
- Sit in on a class of a subject that interests you.
- Talk to a professor in your chosen major or in a subject that interests you.
- Talk to coaches of sports in which you might participate.
- Talk to a student or counselor in the career center.
- Spend the night in a dorm.
- Read the student newspaper.
- Try to find other student publications – department newsletters, alternative newspapers, literary reviews.
- Scan bulletin boards to see what day-to-day student life is like.
- Eat in the cafeteria.
- Ask a student why he/she chose this college.
- Wander around the campus by yourself.
- Read for a little while in the library and see what it is like.
- Search for your favorite book in the library.
- Ask a student what he/she hates about the college.
- Ask a student what he/she loves about the college.
- Browse in the college bookstore.
- Walk or drive around the community surrounding the campus

What is Important to You

Make a list of what college characteristics are most important to you, so you know what to evaluate. Do you feel overwhelmed in a large lecture hall? Check out the class size. Do you have your heart set on joining a sorority or fraternity? See what the Greek system is like on campus. Is there a particular major that you want to pursue? Talk to current students or professors in that department.

Tests for College-Bound Students

PSAT*(Preliminary SAT/National Merit Scholarship Qualifying Test)

The PSAT/NMSQT, a short form of the SAT, measures critical reading, mathematical problem solving, and writing skills. It serves four purposes:

- allows students to compare their academic abilities with other college-bound students at their specific grade level;
- familiarizes students with the SAT,
- allows college-bound juniors to compete for National Merit Scholarships when taken as a junior, and
- identifies potential success in AP courses for sophomores and juniors through “AP Potential”.

The test is offered only in October and should be taken by all juniors in order to qualify for NMSQT. To make the best possible use of PSAT/NMSQT results, review the “Report of Student Answers” to determine how you performed on each type of question. Noting the kinds of mistakes made can help you identify your areas of weakness and assist you in planning SAT preparation.

College Admission Tests

Different colleges require different admission tests. To find out which tests are required, you should check the catalogs of any colleges to which you plan to apply. Most colleges require the scores of the SAT or ACT. Both of these should be taken in the spring of your junior year to determine which test best suits your testing style. Register for the tests online. It is your responsibility to have your scores sent directly to the colleges of your choice from the testing agency.

SAT Reasoning Test

Many two and four-year colleges require SAT scores as part of their admissions requirement. The SAT Reasoning Test is a measure of the critical thinking skills you’ll need for academic success in college. The SAT assesses how well you analyze and solve problems—skills you learned in school that you’ll need in college. The SAT is typically taken by high school juniors and seniors. Each section of the SAT is scored on a scale of 200—800, with two writing sub-scores for multiple-choice and the essay.

The admission score varies among the colleges. If you plan to attend college, you are encouraged to take the test in the spring of the junior year. If you do not earn the score needed for the colleges you are considering, you may take the SAT again during your senior year. If you are applying to a military academy, you must take the SAT in your junior year. The SAT is given seven times a year and the ACT is given six times a year at a number of test centers in the area. The SAT Reasoning Test includes a Writing section (see <http://sat.collegeboard.org/home>).

ACT

Many two- and four-year colleges require ACT scores as part of their admissions requirement. The ACT

assessment covers four subject areas: English, Mathematics, Reading, and Science Reasoning. The scores are reported for each subject area plus a composite score. The composite score ranges from 1-36 with 18 being average. Sub scoring ranges from 1-18. The admission score varies among the colleges. The ACT is offered six times a year. It is recommended that students take the test near the end of the junior year preferably in June right after having studied for your final exams (see <http://www.actstudent.org/>).

Texas Success Initiative Assessment (TSIA)

Currently, TSIA is required for admission to any Texas public college or university. The TSI Assessment is a program designed to help an institution determine if students are ready for college-level course work in the general areas of reading, writing and mathematics. This program also will help determine what type of course or intervention will best meet a student’s needs to help them become better prepared for college-level course work if they are not ready.

Students that are an incoming college student in Texas are required to take the TSI Assessment — unless already exempt (see criteria below) — to determine student readiness for college-level work. Based on assessment/performance results, students may either be enrolled in a college-level course that matches their skill level or be placed in the appropriate developmental course or intervention to improve their skills and prepare them for success in college-level courses.

Not all incoming students need to take the TSI Assessment. There are many ways a student can be exempt. Qualifying for a TSI Assessment exemption means that students can enroll in any entry-level college course without restrictions. In other words, there are no prerequisites for enrollment in college-level courses. Students may be exempt if they:

- Have met the minimum college readiness standard on SAT®, ACT, or a statewide high school test (EOC);
- Have successfully completed college-level English and math courses;
- Have enrolled in a Level-One certificate program (fewer than 43 semester credit hours);
- Are not seeking a degree; or
- Have been, or currently are, in the military.

For more information regarding the TSI, see <https://www.highered.texas.gov/institutional-resources-programs/public-universities-health-related-institutions/texas-success-initiative-and-developmental-education/>

TSIA Exemptions Based on ACT or SAT

Reading and Writing:	ACT Composite 23+ and ACT English 19+ SAT Evidence-Based Reading and Writing (EBRW) 480+ STAAR English III – a minimum score of Meets Grade Level (2000+)
Mathematics:	ACT Composite 23+ and ACT Mathematics 19+ SAT Mathematics 530+ STAAR Algebra II – a minimum score of Meets Grade Level (4000+)

Waiver of Fees

Upon receipt by the District of reliable proof that a student and his or her parent or guardian are unable to pay a fee or deposit required by the school, such fee or deposit shall be waived. Such student and his or her parent or guardian must present evidence of their inability to pay to the appropriate principal who shall determine eligibility for a fee waiver. (See Policy FP [Local])

College Credit Placement Tests

SAT Subject Test

Many colleges require the scores of two or more College Board SAT Subject Tests as part of the admissions process. These tests are one-hour multiple choice tests that measure the student's knowledge of a particular subject and his/her ability to apply that knowledge. The SAT Subject Tests are used by some colleges for placement. These tests are offered in several subject areas. You should take the appropriate test at the completion of the course. Any student considering taking the SAT Subject Tests should refer to a college catalog (see <http://sat.collegeboard.org/home?navid=ap-sat>).

AP (Advanced Placement) Examinations

Advanced Placement Examinations are based upon college-level courses taught in high school. They may enable the student to receive college credit, advanced placement, or both. Scores are reported on a five-point scale, with five being the highest score. A score of three or better is acceptable for advanced placement and college credit by most colleges. By exempting several freshman-level courses in this way, a student may realize substantial savings in college costs. All students enrolled in AP courses are expected to take the AP exams. Registration is typically held in March and exams are taken in May (see <https://apstudent.collegeboard.org/home?navid=clep-aps>).

CLEP (College Level Examination Program)

CLEP provides an opportunity for individuals who have acquired certain knowledge outside the traditional classroom to earn college credit by examination. The scores range from 200-800. Some colleges give credit for scores above 500, enabling students to skip certain courses. Before participating in the program, you should check the policy of the prospective college regarding the granting of CLEP credit and consult your high school counselor (see <https://clep.collegeboard.org/>).

Tests for Students with Disabilities

Students with disabilities should contact their campus diagnostician, special education department or campus 504 coordinator at least 12 weeks prior to registering for any higher education assessment to discuss possible accommodations which may be available based on documented ARD or 504 recommendations. School documentation may or may not meet required eligibility criteria and is determined by the appropriate testing organization.

Glossary of Terms for College-Bound Students

Academic Achievement Record (AAR): An AAR (aka *transcript*) is a copy of a student's high school record. This document includes TAKS, STAAR/EOC, SAT, ACT, and AP scores. Test scores will not be sent without written permission from student or parent. It must be mailed directly to the college admissions office from the high school. Students must make a request for the AAR to be mailed. A final AAR is a copy of the student's record that identifies the student as having graduated. The student must inform the office if and where a final transcript is to be sent.

Admission Testing: The two major testing programs that are utilized for admission purposes are: (1) the SAT; and (2) the ACT. You should consult the individual college catalog to determine which test is required. It is your responsibility to have your scores sent directly from the testing agency to the college(s) of your choice.

Advanced Placement: College-level courses taught as a part of the high school curriculum are called Advanced Placement courses. Once you complete an Advanced Placement course, you may elect to take the AP exam. Depending on your score, you may be awarded college credit and/or assignment to an advanced course at the institution you choose to attend.

College Application: A college application is required by every college. It can be as simple as requiring only your name, address, telephone number, and the term you desire admittance, or as complex as one that requires detailed information such as references, letters of recommendation, essays and/or an autobiographical sketch.

While many colleges prefer that students apply online to their schools, applications may be typed or printed in dark ink and mailed. Many require a fee. You should consult your guidance counselor for the procedure for mailing transcripts with your applications.

Concurrent and Dual Credit: Students enrolled in grades 9-12 are eligible to be awarded credit toward high school graduation for completing college-level courses.

College Catalog: The college catalog is a vital source of information for you. It describes the college's physical plant, campus, admission policies, costs, programs of studies, and individual courses.

College Visitation: Most colleges and universities encourage applicants and their parents to visit the campus. These visitation days are normally scheduled on a weekend so that students will not have to miss school. Students desiring to visit a college or university should contact the office of admissions for details. Follow school policy if missing a day of school.

College Work-Study Program: This is a government-supported financial-aid program coordinated through financial-aid offices whereby an eligible student (based on need) may work part time while attending class at least half-time, generally in college related jobs.

Common Application: Many universities/colleges use this generic application. These forms are available in the counseling center and on-line. The Common Application is available at <https://www.universalcollegeapp.com/> and the Texas Common Application is available at https://www.applytexas.org/adappc/gen/c_start.WBX

Cooperative Work-Study Education: This is a program in which the student alternates between full-time college study and full-time paid employment related to the area of study. Under this plan, the Bachelor's degree often requires five years to complete.

Free Application for Federal Student Aid: The FAFSA is the form required in the federal financial aid process. This form should be completed in January of the senior year. This form is used to collect information about the

student's total family income, assets, and expenses and to assess the family's potential contribution toward college expenses. The FAFSA arrives after Thanksgiving and is available on-line at <http://www.fafsa.gov>

Grade Point Average (GPA): A student's final GPA on the AAR (transcript) is the average of all grade points earned for courses taken during grades 9-12.

Grant: Grants are gift awards made on the basis of financial need, which do not require repayment. Grants are available from the federal government, state agencies, and educational institutions.

Housing Deposit: Housing deposits are paid to reserve a room in a college or university dormitory. This fee is usually paid after acceptance to a college or university. Deadlines for housing deposits are usually strict. Students should respond promptly to requests for housing deposits. Check university guidelines.

Loans: Money that must be repaid.

Open Door Admissions: An Open Door Admissions Policy means that the college or university does not have a specific entrance requirement other than graduation from high school or its equivalent.

Pell Grant: A Pell Grant is financial aid awarded by the federal government on the basis of need, designed to provide the basis of an aid package for post-secondary education. The grant may be used toward tuition, room and board, books, or other educational costs, and requires no repayment.

Recommendations: Many colleges and universities require that students submit letters of recommendation with their application. These recommendations should include reference to the student's distinctive qualifications and academic ability. Students who request others to complete letters of recommendation for them should allow sufficient time (a minimum of three weeks) for the individuals to complete them. Recommendations are sent to the requesting agency.

Reserve Officers Training Corps (JROTC): Air Force, Army, Navy, and Marine programs, available on certain college campuses, combine military education with Baccalaureate degree study. JROTC provides financial support for those students who commit themselves to future service in the Armed Forces.

Scholarships: These are gifts of financial assistance. Financial need or special ability is sometimes considered.

Texas Common Application: Texas Common Application must be used to apply to any Texas public university. This can be done on-line at <http://www.applytexas.org> or by hard copy.

Transcript: See Academic Achievement record.

College Admission FAQs

How difficult is it to be accepted into a college or university?

Almost anyone who graduates from high school can meet the admission requirements of a number of two-year colleges or four-year colleges and universities. Some of these institutions have open-door admission policies.

How early should I apply for admission to the colleges and universities of my choice?

Applications must be submitted prior to the established deadline of each college. Many colleges have fall and winter application deadlines, but a few institutions will accept applications as late as mid-summer. It would be wise to consult the college website or admissions office about specific admissions policies of the institution in which you are interested.

Can I learn all I need to know about schools from respective websites?

College and university catalogs contain important and useful information concerning the schools. You can compare the specific course offerings listed by each college for your proposed major field of study. However, your decision to attend a particular school should be based on more than information obtained by reading a catalog. Campus visitation, including interviews with college officials, discussion with students on campus, and classroom visitations in your interest area, should play a part in reaching your final decision as to which institution to attend.

When I am being considered for admission, does the Admission Director look only at my ACT or SAT scores?

In considering admission applications, most admission directors are interested in reviewing high school courses taken, level of course (i.e., Regular, Advanced or AP), grade point average (GPA), ACT or SAT scores, and counselor or teacher recommendations and extracurricular, work and leadership accomplishments.. Individual schools have varying criteria for admission. You should check with the college website for information on entrance requirements.

What should I do if I need financial help in order to attend the college of my choice?

Contact the Director of Financial Aid at the institution of your choice. This person can tell you what scholarships and other forms of assistance are available. Consult your high school counselor; your counselor has information on local, state, and national financial aid programs and scholarships. Most schools require that families complete a FAFSA and/or the Profile for Students to be considered for financial aid.

Are students in the top 10% of their graduating high school class automatically accepted at a Texas public college or university?

Yes, if they meet deadlines and college admission guidelines. They must also graduate on the Recommended High School Plan or the Distinguished Achievement Plan or meet college readiness scores on SAT/ACT. The University of Texas may restrict their admissions to less than 10%.

Is it appropriate to apply to more than one college?

It would be an excellent idea to apply to all the institutions which you are seriously considering, in case you are not accepted by your first choice. Although you apply to a school and are accepted, you are not obligated to attend that school.

Do all colleges require an application fee?

Most colleges require a fee between \$25.00 and \$100.00. The fee must accompany an application for admission. In cases of financial need, this application fee is sometimes waived.

Are school grades important in being accepted into college?

High school grades are extremely important to most colleges. Your grades, more than any other single factor, best predict your probable success in college. Colleges, however, do not consider only your grades in their admission process. The SAT scores, the kind of courses taken, the level of the courses (i.e., Regular, Advanced or AP), recommendations from your counselors, teachers, and principal, and your extracurricular record are all important factors in the college admission process.

What courses should I take before taking the SAT or ACT?

You should take Algebra I, Geometry, and Algebra II, plus English courses that are on or above grade level that include grammar and usage, composition, and literature. In addition, science and social studies courses are recommended because most of the reading comprehension questions deal with these subject areas.

When should I take the SAT or ACT?

You should take the SAT and ACT in the spring of your junior year. It is recommended that all testing including SAT Subject Tests be completed by December of the senior year.

What do I need to be eligible to participate in National Collegiate Athletic Association (NCAA) Division I athletics at college?

Proposition 48 requires that a freshman student entering a NCAA Division I institution must complete a core curriculum with a minimum number of specific academic courses and receive a minimum established combined score on the SAT Critical Reading and Math sections or an established minimum sum of scores on the ACT in order to be eligible to participate in intercollegiate athletics during the first year of attendance. NCAA Clearinghouse forms are available online at <http://www.ncaa.org/> (see below for more information).

Technical or Business School

Students desiring to pursue post-high school education at a technical or business school will want to contact several such schools, acquire details of admission and courses of study, and visit some of the classrooms and laboratories. Many of these schools have open-door admission policies.

Technical or Business School Checklist:

- ✓ Make a list of the schools that offer the occupational program of interest. These schools vary considerably in quality of programs and costs. (Check the Better Business Bureau).
- ✓ To obtain specific admission policies, consult your guidance counselor for information about technical schools that offer the program in which you are interested.
- ✓ Check the school's admission policy to make sure you have met all entrance requirements.
- ✓ Write or visit the school to obtain the necessary application forms.
- ✓ Complete application forms correctly. Enclose a check to cover the application fee (if required). Make the check payable to the institution.
- ✓ If at all possible, visit the selected school. Visit the specific training area and talk with the instructor.

Military Service

Students who are interested in entering a branch of the military services will want to contact one or more recruiting officers in order to determine the enlistment program that best meets personal interests. Many programs are available through each branch of military service.

Military Service Checklist:

- ✓ Make an appointment with the local recruiter of EACH branch of service to obtain current information on programs and entrance requirements.
- ✓ Before deciding on the branch of service, talk with relatives, friends, and others who have served or are currently serving in a branch of the Armed Forces to determine what military life is like in each branch of service.
- ✓ If you are considering entry into the military service, take the Armed Services Vocational Assessment Battery (ASVAB) during high school.
- ✓ Contact a recruiter of the branch of service of your choice.

NCAA Course Work Requirements

Student-athletes must complete appropriate course work in order to qualify for NCAA programs. Therefore, it's important that you and the school's coaches monitor changes in NCAA course work requirements and communicate such changes to your student-athletes. **All prospective student-athletes MUST register with the NCAA Initial-eligibility Clearinghouse at <https://web3.ncaa.org/ecwr3/>**

Divisions I & II Initial - Eligibility Requirements

Core Courses

- **NCAA Divisions I and II require 16 core courses.** See the charts below.
- **Beginning August 1, 2016, NCAA Division I will require 10 core courses** to be completed **prior to the seventh semester** (seven of the 10 must be a combination of English, math or natural or physical science that meet the distribution requirements below). These 10 courses become "locked in" at the start of the seventh semester and cannot be retaken for grade improvement.
- *Beginning August 1, 2016, it will be possible for a Division I college-bound student-athlete to still receive athletics aid and the ability to practice with the team if he or she fails to meet the 10 course requirement but would not be able to compete.*
- **Beginning August 1, 2018,** to become a full or partial qualifier for Division II, all college-bound student-athletes must complete the 16 core-course requirement.

Test Scores

- **Division I** uses a sliding scale to match test scores and core grade-point averages (GPA). The sliding scale for those requirements is shown below.
- **Division II** requires a minimum SAT score of 820 or an ACT sum score of 68.
- **Beginning August 1, 2018,** Division II will use a sliding scale to match test scores and core-course grade-point averages (GPA). The sliding scale for those requirements is shown on the Division II chart that follows.
- The SAT score used for NCAA purposes includes **only** the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a **sum** of the following four sections: English, mathematics, reading and science.
- **When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.**

Grade-Point Average

- **Be sure** to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org). Only courses that appear on your school's List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide. These courses are designated with ^{NCAA} beside the course name. Specific courses are found in English, Mathematics, Science, Social Studies and Foreign Language.
- **Division I** GPA required to receive athletics aid and practice **before August 1, 2016,** is 2.000-2.299 (corresponding test-score requirements are listed on Sliding Scale A below).
- **Division I** GPA required to be eligible for competition **on or after August 1, 2016,** is 2.300 (corresponding test-score requirements are listed on Sliding Scale B below).

- **The current Division II** core GPA requirement is a minimum of 2.000. Division II core GPA required to be eligible for competition on or after August 1, 2018 is 2.200 (corresponding test-score requirements are listed on the Division II Sliding Scale below.)
- The minimum **Division II** core GPA required to receive athletic aid and practice as a partial qualifier on or after August 1, 2018, is 2.000 (corresponding rest-score requirements are listed on the Division II Sliding Scale below.)
- Remember, the NCAA GPA is calculated using NCAA core courses only. These courses are designated with ^{NCAA} beside the course name. Specific courses are found in English, Mathematics, Science, Social Studies and Foreign Language.

Division I	Division II
<i>16 Core Courses</i>	<i>16 Core Courses</i>
4 years of English	3 years of English
3 years of math (algebra 1 or higher level)	2 years of math (algebra 1 or higher level)
2 years of natural or physical science (including one year of lab science if offered)	2 years of natural or physical science (including one year of lab science if offered)
1 extra year of English, math, or science	3 extra years of English, math or science;
2 years of social science	2 years of social science
4 years of additional core courses (from any category above, or in a foreign language, non-doctrinal religion or philosophy)	4 years of additional core courses (from any category above, or in a foreign language, non-doctrinal religion or philosophy);

NCAA core courses definition

- An academic course in one or a combination of these areas: English, mathematics, natural/physical science, social science, foreign language, comparative religion or philosophy.
- A four-year college preparatory course and a course at or above the high school's regular academic level, for example, an AP® class or outside college course.

Remedial courses, or those taught at a slower pace or that cover less content are not admissible. And not all classes that meet high school graduation requirements meet NCAA course work requirements. For information regarding TCISD's list of approved core courses, see your counselor. *Meeting NCAA admission requirements does not guarantee admission into college* — it simply determines whether students may participate in athletics during their freshman year. Students must follow each member college's admission policies and apply directly to that college.

DIVISION I		
FULL QUALIFIER SLIDING SCALE		
Core GPA	SAT*	ACT Sum*
3.550	400	37
3.525	410	38
3.500	430	39
3.475	440	40
3.450	460	41
3.425	470	41
3.400	490	42
3.375	500	42
3.350	520	43
3.325	530	44
3.300	550	44
3.275	560	45
3.250	580	46
3.225	590	46
3.200	600	47
3.175	620	47
3.150	630	48
3.125	650	49
3.100	660	49
3.075	680	50
3.050	690	50
3.025	710	51
3.000	720	52
2.975	730	52
2.950	740	53
2.925	750	53
2.900	750	54
2.875	760	55
2.850	770	56
2.825	780	56
2.800	790	57
2.775	800	58

DIVISION I		
FULL QUALIFIER SLIDING SCALE		
Core GPA	SAT*	ACT Sum*
2.750	810	59
2.725	820	60
2.700	830	61
2.675	840	61
2.650	850	62
2.625	860	63
2.600	860	64
2.575	870	65
2.550	880	66
2.525	890	67
2.500	900	68
2.475	910	69
2.450	920	70
2.425	930	70
2.400	940	71
2.375	950	72
2.350	960	73
2.325	970	74
2.300	980	75
2.299	990	76
2.275	990	76
2.250	1000	77
2.225	1010	78
2.200	1020	79
2.175	1030	80
2.150	1040	81
2.125	1050	82
2.100	1060	83
2.075	1070	84
2.050	1080	85
2.025	1090	86
2.000	1100	86

ACADEMIC REDSHIRT

*Final concordance research between the new SAT and ACT is ongoing.

DIVISION II		
FULL QUALIFIER SLIDING SCALE		
Core GPA	SAT*	ACT Sum*
3.300 & above	400	37
3.275	410	38
3.250	430	39
3.225	440	40
3.200	460	41
3.175	470	41
3.150	490	42
3.125	500	42
3.100	520	43
3.075	530	44
3.050	550	44
3.025	560	45
3.000	580	46
2.975	590	46
2.950	600	47
2.925	620	47
2.900	630	48
2.875	650	49
2.850	660	49
2.825	680	50
2.800	690	50
2.775	710	51
2.750	720	52
2.725	730	52
2.700	740	53
2.675	750	53
2.650	750	54
2.625	760	55
2.600	770	56
2.575	780	56
2.550	790	57
2.525	800	58
2.500	810	59
2.475	820	60
2.450	830	61
2.425	840	61
2.400	850	62
2.375	860	63
2.350	860	64
2.325	870	65
2.300	880	66
2.275	890	67
2.250	900	68
2.225	910	69
2.200	920	70 & above

DIVISION II		
PARTIAL QUALIFIER SLIDING SCALE		
Core GPA	SAT*	ACT Sum*
3.050 & above	400	37
3.025	410	38
3.000	430	39
2.975	440	40
2.950	460	41
2.925	470	41
2.900	490	42
2.875	500	42
2.850	520	43
2.825	530	44
2.800	550	44
2.775	560	45
2.750	580	46
2.725	590	46
2.700	600	47
2.675	620	47
2.650	630	48
2.625	650	49
2.600	660	49
2.575	680	50
2.550	690	50
2.525	710	51
2.500	720	52
2.475	730	52
2.450	740	53
2.425	750	53
2.400	750	54
2.375	760	55
2.350	770	56
2.325	780	56
2.300	790	57
2.275	800	58
2.250	810	59
2.225	820	60
2.200	830	61
2.175	840	61
2.150	850	62
2.125	860	63
2.100	860	64
2.075	870	65
2.050	880	66
2.025	890	67
2.000	900	68 & above

*Final concordance research between the new SAT and ACT is ongoing.

Sample Résumé

Full Name

1234 Texas City ISD Avenue North
Texas City, TX 77568
(409) 938-4261
emailaddress@domain.com

EDUCATION

Senior at TCISD High School
GPA: 92.45
Class Rank: 83 in a class of 400
Significant Academic Endeavors: (Advanced Placement candidate, etc.)

SCHOOL ACTIVITIES

National Honor Society, junior and senior years
Fellowship of Christian Athletes Vice President, junior year
Basketball Team, four years
Key Club, sophomore, junior, and senior years

AWARDS AND HONORS

National Merit Semi-Finalist
Ranked in the top quarter of class for four years
Spanish Achievement Award
Eagle Scout

LEADERSHIP EXPERIENCE

President of National Honor Society
Vice President of Senior Class

COMMUNITY AND RELIGIOUS ACTIVITIES

Church Youth Council, senior year
Young Life, sophomore, and junior year
Boy Scouts of America, eight years

WORK EXPERIENCE

Materials Transportation Company welder, senior year
McDonald's Restaurant cook, junior year

VOLUNTEER SERVICE

Summer Camp Volunteer – 2006-2008
Rehabilitation Center, after school recreation volunteer – 2 years