



TEXAS CITY ISD
2024- 2025
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 **2024-2025 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 provides 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 (minimum, recommended high school, distinguished achievement programs and endorsements through House Bill 5).**

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 Arts & Humanities, Business & Industry, Multidisciplinary Studies, Public Services and Science, Technology, Engineering & Mathematics (STEM) – ALL Endorsement Pathways are outlined below.
 - 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 requires all 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 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

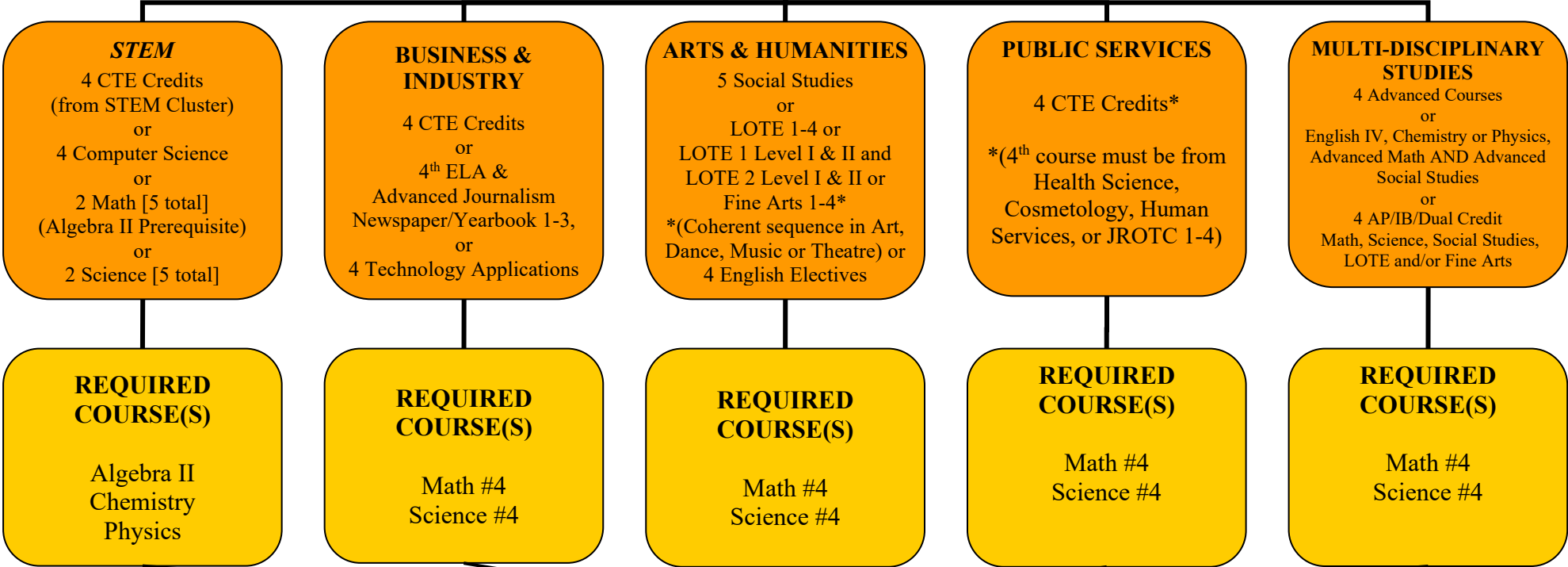
Student Classification

<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>
English/ Language Arts	<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
Mathematics	<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	<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 I; 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>	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): Chemistry, Physics, Aquatic Science, Astronomy; Environmental Systems; AP Biology; AP Chemistry; AP Physics I; 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>	4.0	<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): Chemistry, Physics, Aquatic Science, Astronomy; Environmental Systems; AP Biology; AP Chemistry; AP Physics I; 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>	4.0
Social Studies	<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>	3.0	<i>Credits earned from the FHSP (unless specified as an Endorsement requirement).</i>	3.0	<i>Credits earned from the FHSP (unless specified as an Endorsement requirement).</i>	3.0
Languages Other Than English	<i>Two levels in the same language selected from Spanish, French or TxVSN (American Sign Language, Chinese, German, Latin, Russian)</i>	2.0	<i>Credits earned from the FHSP (unless specified as an Endorsement requirement).</i>	2.0	<i>Credits earned from the FHSP (unless specified as an Endorsement requirement).</i>	2.0
Physical Education	<i>Foundations of Personal Fitness; Aerobic Activities; Team Sports; Individual Sports; PE Substitutions (Athletics; JROTC; Drill Team; Marching Band; and Cheerleading).</i>	1.0	<i>Credits earned from the FHSP.</i>	1.0	<i>Credits earned from the FHSP.</i>	1.0
Fine Arts	<i>Art; Band; Choir; Dance; Theatre; or Principles and Elements of Floral Design.</i>	1.0	<i>Credits earned from the FHSP.</i>	1.0	<i>Credits earned from the FHSP.</i>	1.0
Elective Courses		5.0	<i>Credits earned from the FHSP and meeting required elective requirements for an option of a chosen Endorsement Pathway.</i>	7.0	<i>Credits earned from the FHSP and meeting required elective requirements for an option of a chosen Endorsement Pathway.</i>	7.0
Total Credits		22.0		26.0		26.0

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 for a Four-year Plan

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>Technology – 1 Credit</p> <input type="checkbox"/> BIM <p>Electives – 5 Credits</p> <input type="checkbox"/> BIM 1 _____ <input type="checkbox"/> Elective 2 _____ <input type="checkbox"/> Elective 3 _____ <input type="checkbox"/> Elective 4 _____	<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> <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</p> <hr/> <p style="text-align: center;">Plans for the Future</p> <p>Testing</p> <input type="checkbox"/> THEA _____ <input type="checkbox"/> TSIA _____ <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	
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	
	*Elective		*Elective			
Endorsement Requirements	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
Total		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/Chemistry/Physics	1	IPC/Chemistry/Physics	1	IPC/Chemistry/Physics	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		Elective		Elective	1
				*Elective		
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 OnRamps Pre-Calculus	Aquatic Science
Advanced Journalism Newspaper III	AP Calculus AB	Astronomy
Advanced Journalism Yearbook III	Statistics or OnRamps Statistics	Earth and Space Science
Debate III	College Prep Math	Forensic Science*
Humanities		Medical Microbiology*
Oral Interpretation III		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, modified the previously approved EOC testing requirements to include only five (5) assessments. The required 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 4545/1416 Requirements

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 Supplemental Instruction.

Supplemental Instruction must be:

- Provided in addition to the regular instruction the student is already receiving, outside the regular schoolday.
- Provided at least 15 hours total for each STAAR assessment the student did not pass in the previous year but may not exceed 2 subjects. If more than 2 areas meet the requirements, Reading and Math will be prioritized.

Superintendent's Academic Achievement Awards (SA³)

The Superintendent's Academic Achievement Award Program was developed to promote excellence while recognizing and congratulating students who demonstrate exemplary academic scholarship in grades 5-12. 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.

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 an 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.**

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

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.

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.

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 June 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/uc/ec2k/Heading.asp?heading_id=223

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

Social Studies

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

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 (TSIA). This test is provided by COM and will count for admission to all state supported colleges and universities in Texas. **The score on TSIA 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 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 Credit	SERVICE ID # #
English Department				
*Composition I	ENGL 1301	English III or IV A	0.5	03220400
*Composition II	ENGL 1302	English III or IV B	0.5	03223400
Math Department				
*College Algebra	Math 1314	Independent Studies in Math (1 st time)	0.5	03102500
*Finite Math	Math 1324	Independent Studies in Math (1 st time)	0.5	03102500
*Trigonometry	Math 1316	Pre-Calculus A	0.5	03101100
*Pre-Calculus	Math 2412	Pre-Calculus B	0.5	03101100
*Calculus I	Math 2413	Independent Studies in Math A (2 nd time)	0.5	03102501
Social Studies				
*United States History	HIST 1301	US History A	0.5	03340100
*United States History	HIST 1302	US History B	0.5	03340100
*Federal Government	GOVT 2305	US Government	0.5	03330100
*Texas Government	GOVT 2306	Special Topics in Social Studies	0.5	03380002
Electives				
*American Music	MUSI 1310	Music Appreciation II	0.5	03155700
*Psychology for Success	EDUC 1300	Special Topics for Social Studies	0.5	03380002
*Public Speaking	SPCH 1315	Public Speaking	0.5	03240900
*Interpersonal Communications	SPCH 1318	Professional Communications	0.5	13009900
*Introduction to Computing	COSC 1301	Business Info. Mgt. I	1.0	13011400

*The grade for this course will receive ten (10) additional points on the final average for GPA purposes for a maximum of a 100.

**Dual Credit courses may be used to fulfill high school graduation requirements per the College of the Mainland Dual Credit Crosswalk and may differ from the alignment above.

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 US 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

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 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

2. Apply to College of the Mainland at www.applytexas.org

- Help will be available in a designated location on 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 TSIA

3. TSIA

- Pre-Assessment Test for TSIA – <http://www.com.edu/tsi-preassessmentv2/TSI>
 - Test Date – Students will need to sign up for the TSIA 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.
 - TSIA 2.0 Minimum Requirements:

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

4. Transcript

- Attach a copy of your current transcript to your application

5. 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.

6. 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.

**Completed Applications are due NO LATER than 4:10 PM on
February 28, 2024.**

**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 Credit	SERVICE ID #
English Department				
*British Literature	ENGL 2322	English IV A	0.5	03220300
*British Literature	ENGL 2323	English IV B	0.5	03220300
*Composition I	ENGL 1301	English III A	0.5	03220400
*Composition II	ENGL 1302	English III B	0.5	03223400
Math Department				
*College Algebra	Math 1314	Independent Studies in Math (1 st time)	1	03102500
*Finite Math	Math 1324	Independent Studies in Math (1 st time)	1	03102500
*Pre-Calculus	Math 2412	Pre-calculus	1	03101100
*Calculus I	Math 2413	Independent Studies in Math A (2nd time)	1	03102501
*Calculus II	Math 2414	Independent Studies in Math B (2nd time)	1	03102501
Science Department				
*Introductory Chemistry I	CHEM 1405 or CHEM 1406	Chemistry A Scientific Research & Design I	1	03040000
*Biology for Sci Majors I	BIOL 1406	Biology A Scientific Research & Design I	1	03010200
*Biology for Sci Majors II	BIOL 1407	Biology B	1	03010200

		Scientific Research & Design II		
*General Chemistry I	CHEM 1411	Chemistry A Scientific Research & Design I	1	03040000
*General Chemistry II	CHEM 1412	Chemistry B Scientific Research & Design II	1	03040000
*College Physics I	PHYS 1401	Physics A	0.5	03050000
*College Physics II	PHYS 1402	Physics B	0.5	03050000
Anatomy & Physiology I	BIOL 2401	Anatomy & Physiology A	1	12112130
Anatomy & Physiology II	BIOL 2402	Anatomy & Physiology B	1	12112130
Social Studies				
*United States History I	HIST 1301	US History A	0.5	03340100
*United States History II	HIST 1302	US History B	0.5	03340100
*Federal Government	GOVT 2305	US Government	0.5	03330100
Texas Government	GOVT 2306	Social Studies Advanced Studies	0.5	03380001
*Principles of Macroeconomics	ECON 2301	Economics	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	1	12011200
*General Psychology	PSYC 2301	Psychology	0.5	03350100
Psychology for Success	PSYC 1300	Special Topics for Social Studies	0.5	03380002
*Introduction to Sociology	SOCI 1301	Sociology	0.5	03370100
*Beginning Spanish I	SPAN 1411	Spanish I	1	03440100
*Beginning Spanish II	SPAN 1412	Spanish II or Spanish III	1	03440300
*Intermediate Spanish I	SPAN 2311	Spanish III or Spanish IV	1	03440400
Public Speaking or Interpersonal Communications	SPCH 1315 or 1318	Communication Applications	0.5	03241400

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

Early College High School

Early College High Schools (ECHS) are high schools that allow students least likely to attend college an opportunity to receive both a high school diploma and either an associate degree or at least 60 credit hours toward a baccalaureate degree. Early College High Schools:

- Enroll Historically underserved students, targeting at-risk and economically disadvantaged
- Provide dual credit at no cost to students
- Offer rigorous instruction and accelerated courses
- Provide academic and social support services to help students succeed
- Provide students with highly personalized attention
- Increase college readiness
- Partner with Texas institutions of higher education (IHEs) to reduce barriers to college access

Admission Policy

- Students complete the ECHS application online. The application can be accessed through:
 - the district and/or campus ECHS web pages.
 - the QR code presented during the student or parent ECHS meetings.
 - Applications are due by **January 26, 2024**.
- A lottery will be run any time the number of applicants exceeds the number of spots available within a school. If there are enough spots to offer a seat to every applicant, each applicant will automatically move to an “offer” status. If there are not enough spots to offer every applicant a seat, all eligible students will be included in that school’s lottery.
 - 100 students at Texas City High School
 - 50 students at La Marque High School
- Students attend the mandatory Summer Bridge program prior to entering the 9th grade.



Lottery Procedures

Early College High Schools are designed so that young people who are traditionally underrepresented in higher education can experience a smooth transition to college; however, anyone regardless of socioeconomic status, gender, ethnicity/race, etc. may apply. In order to comply with the ECHS Blueprint from TEA, TCISD’s Early College High School will implement a blind or weighted lottery. The type of lottery used each year will be determined on the applicant pool and state approved ECHS targets. The goal of the lottery is to be fair, equitable, and unbiased while targeting students who fulfill the mission of the Early College High School. All students who apply to attend the Early College High School will be entered into the lottery. All names will be entered into a random name generator. The first 100 names for Texas City HS and 50 names for La Marque HS that are drawn from the lottery will make up the accepted freshman class. The remaining names will be placed on a waiting list in the order they are selected from the lottery. Students will be notified through an acceptance letter delivered to their campus. Parents/guardians will be notified via email of their student’s acceptance or placement on a waiting list.

ECCHS Course Walk Sample – Non-STEM

Foundation HS Graduation Plan with an Endorsement in Multidisciplinary Studies with a Distinguished Level of Achievement & Opportunities to earn 62 college hours

Year/ Grade Level	High School Course with Post-Secondary Course		
	Course ID/ College Course #	Course	Credit/ Hours
Summer Prior to Grade 9	03440100 03440200	Summer Bridge – TSIA RLA Prep Spanish I/II Dual Credit (Optional)	1
	SPAN 1411	Beginning Spanish I	4
	Total HS Summer Credits		1
	Total College Summer Credits		4

Year/ Grade Level	High School Course with Post-Secondary Course						
	Course ID/ College Course #	Semester A Course	Credit/ Hours	Course ID/ College Course #	Semester B Course	Credit/ Hours	
Grade 9 Year 1	03100500	English I Advanced A	.5	03100500	English I Advanced B	.5	
	03100500	Algebra I Advanced A or Algebra 2/OnRamps College Alg A (HS Algebra 2 Credit)	.5	03100500	Algebra I Advanced B or Algebra 2/OnRamps College Alg B (HS Algebra 2 Credit)	.5	
	03100600			03100600			
	MATH 1314	College Algebra	0	MATH 1314	College Algebra	3*	
	03010200	Biology Advanced	.5	03010200	Biology Advanced	.5	
	03340400	World History A Advanced	.5	03340400	World History B Advanced	.5	
	03440100 03440200	Spanish I/Spanish I Advanced or Spanish II/Spanish II Advanced or High School Elective	.5	03440100 03440200	Spanish I/Spanish I Advanced or Spanish II/Spanish II Advanced or High School Elective	.5	
	N1290001	Advancement Via Individual Determination (AVID) 1 st Year A	.5	N1290001	Advancement Via Individual Determination (AVID) 1 st Year A	.5	
	3270100	College Readiness and Study Skills	.5	03241400	Communication Applications	.5	
	EDUC 1300	Psychology for Success	3	SPCH 1315	Public Speaking	3	
		High School Elective	.5		High School Elective	.5	
	Year 1 HS Credits Fall			4	Year 1 HS Credits Spring		4
	Year 1 College Credits Fall			3	Year 1 College Credits Spring		3 (6*)
	Total Year 1 HS Credits					8-9	
Total Year 1 College Credits					6-13		

*Students must earn and accept the OnRamps College Credit at the end of the spring semester

Year/ Grade Level	High School Course with Post-Secondary Course			
	Course ID/ College Course #	Course	Credit/ Hours	
Summer Prior to Grade 10	PES00052	Foundations of Personal Fitness	.5	
	PHED 1164	Introduction to Physical Fitness & Wellness *Required for Athletes	1	
	03440200	Spanish II	1	
	SPAN 1412	Beginning Spanish II	4	
		Credit Recovery as needed		
	Total Year 2 HS Summer Credits			1.5
	Total Year 2 College Summer Credits			5

Year/ Grade Level	High School Course with Post-Secondary Course							
	Course ID/ College Course #	Semester A Course	Credit/ Hours	Course ID/ College Course #	Semester B Course	Credit/ Hours		
Grade 10 Year 2	03220200	English II A or English II Advanced A	.5	03220200	English II B or English II Advanced B	.5		
	03100600 03100700	Algebra 2 A /OnRamps College Alg A (HS Algebra 2 Credit) A or Geometry A/Geometry Advanced A	.5	03100600 03100700	Algebra 2 B /OnRamps College Alg B (HS Algebra 2 Credit) or Geometry B/Geometry Advanced B	.5		
	MATH 1314	College Algebra	0	MATH 1314	College Algebra	3*		
	03040000	Chemistry A or Chemistry Advanced A	.5	03040000	Chemistry B or Chemistry Advanced B	.5		
	03340100	US History A or OnRamps US History A	.5	03340100	US History B or OnRamps US History B	.5		
	HIST 1301	United States History I	3	HIST 1302	United States History II	3		
	03440200	Spanish II A/Spanish II Advanced A or High School Elective	.5	03440200	Spanish II A/Spanish II Advanced A or High School Elective	.5		
	N1290002	Advancement Via Individual Deter. (AVID) 2 nd Year A	.5	N1290002	Advancement Via Individual Deter. (AVID) 2 nd Year B	.5		
	13011400	Business Info. Mgt I A	.5	13011400	Business Info. Mgt. I B	.5		
	COSC 1301	Introduction to Computing	0	COSC 1301	Introduction to Computing	3		
		High School Elective	.5		High School Elective	.5		
	Year 2 HS Credits Fall			4	Year 2 HS Credits Spring			4
	Year 2 College Credits Fall			3	Year 2 College Credits Spring			6 (9*)
	Total Aggregate Year 2 HS Credits						16-18.5	
Total Aggregate Year 2 College Credits Possible						15-33		

*Students must earn and accept the OnRamps College Credit at the end of the spring semester

Year/ Grade Level	High School Course with Post-Secondary Course			
	Course ID/ College Course #	Course	Credit/ Hours	
Summer Prior to Grade 11	0315560	Music Studies, Music Appreciation I	1	
	MUSI 1306	Music Appreciation	3	
		Credit Recovery as needed		
	Total Year 2 HS Summer Credits			1
	Total Year 2 College Summer Credits			3

Year/ Grade Level	High School Course with Post-Secondary Course						
	Course ID/ College Course #	Semester A Course	Credit/ Hours	Course ID/ College Course #	Semester B Course	Credit/ Hours	
Grade 11 Year 3	03220300	English III A	.5	03220300	English III B	.5	
	03100700 03101100 03102530 03102500	Geometry/ Geometry Advanced A or Precalculus/OnRampus Precalculus A or Statistics A	.5 (1)	03100700 03101100 03102530 03102500	Geometry/ Geometry Advanced B or Precalculus/OnRampus Precalculus B or Statistics B	.5 (1)	
	03330100	United States Government	.5	03310300	Economics	.5	
	GOVT 2305	Federal Gov. Constitution & Topics	3				
	03050000	Physics	.5	03050000	Physics	.5	
	N1290030	Advancement Via Individual Deter. (AVID) 3 rd Year A	.5	N1290030	Advancement Via Individual Deter. (AVID) 3 rd Year B	.5	
	03370100	Sociology	.5	03350100	Psychology	.5	
	SOCI 1301	Introduction to Sociology	3	PSYC 2301	General Psychology	3	
	PES00052	Foundations of Personal Fitness	.5	PES00052	Foundations of Personal Fitness	.5	
	PHED 1164	Introduction to Physical Fitness & Wellness	1				
		High School Elective	.5		High School Elective	.5	
	Year 3 HS Credits Fall			4 (4.5)	Year 3 HS Credits Spring		4 (4.5)
	Year 3 College Credits Fall			7	Year 3 College Credits Spring		3
	Total Aggregate Year 3 HS Credits						24-28.5
	Total Aggregate Year 3 College Credits Possible						28-46

*Students must earn and accept the OnRamps College Credit at the end of the spring semester

Year/ Grade Level	High School Course with Post-Secondary Course			
	Course ID/ College Course #	Course	Credit/ Hours	
Summer Prior to Grade 12	03221600	Humanities	.5	
	HUMA 1301	Intro to Humanities I	3	
		Credit Recovery as needed		
	Total Year 2 HS Summer Credits			.5
	Total Year 2 College Summer Credits			3

Year/ Grade Level	High School Course with Post-Secondary Course						
	Course ID/ College Course #	Semester A Course	Credit/ Hours	Course ID/ College Course #	Semester B Course	Credit/ Hours	
Grade 12 Year 4	03220400	English IV A	.5	03220400	English IV B	.5	
	ENGL 1301	Composition I	3	ENGL 1302	Composition II	3	
	03101100 03102530	Precalculus or Statistics/OnRamps Statistics A	.5	03101100 03102530	Precalculus or Statistics/OnRamps Statistics B	.5	
	13037200	Scientific Research & Design I	1	13037200	Scientific Research & Design II	1	
	BIOL 1408	Biology I for Non-Science Majors	4	BIOL 1409	Biology II for Non-Science Majors	4	
	N1290033	Advancement Via Individual Deter. (AVID) 4 th Year A	.5	N1290033	Advancement Via Individual Deter. (AVID) 4 th Year B	.5	
	03250100	Theater Arts I	1	03380001	Social Studies Advanced Studies	.5	
	DRAM 1310	Introduction to Theatre	3	GOVT 2306	Texas Government	3	
		High School Elective	.5		High School Elective	.5	
	Year 4 HS Credits Fall			4	Year 4 HS Credits Spring		3.5
	Year 4 College Credits Fall			10	Year 4 College Credits Spring		10
	Total Aggregate Year 4 HS Credits						31.5-36.5
	Total Aggregate Year 3 College Credits Possible						51-69

*Students must earn and accept the OnRamps College Credit at the end of the spring semester

26 High School Credits are needed for graduation
60 College credits are needed for an associate degree

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). 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 grade level counselor 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 who take Advanced, Pre-Advanced Placement, and Advanced Placement 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.

Students enrolled in Dual Credit, Dual Enrollment (OnRamps), and Collegiate classes are eligible for additional weighted point that are added to their weighted GPA. 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):

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 2025 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 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 requirements...);
- 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 Senior Advisor 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 Recommended High School Program, Distinguished Achievement Program, or Minimum High School Program shall have a transcript seal indicating the graduation plan.

- Seniors **MUST** be enrolled in six (8) consecutive periods a day unless special permission is granted by TCISD high school administration.
- 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 TSIA 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 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 2024-2025 school year is based on the student's schedule requests. After the master schedule is completed, the schedule changes will be made according to the following:

- 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 or 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 prerequisite 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(0) OnRamps English (Grade 11-12; 1 Credit)^{NCAA}

SERVICE ID # 03220300

SERVICE ID # 03220400

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 II** 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 TSIA requirements for reading and writing. (Prerequisites: **English III**)

069 EOC Prep English (Grade 12; Local Credit)**SERVICE ID#84000XXX**

This course is designed to help students prepare for the English I and/or English II End-of-Course exams. Students will receive instruction on English Language Arts skill and knowledge measured by those exams.

050A ENGL 1301 Composition & Rhetoric I (Grades 11-12; 1 Credit)^{NCAA}**SERVICE ID # 03220300****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 academic essays as a vehicle for learning, communicating and critical analysis. *This course may be taken as the 4th English/Language Arts credit for the FHSP.* (Prerequisite: **English III** and a satisfactory TSIA score.)

050B ENGL 1302 Composition & Rhetoric II (Grades 11-12; 1 Credit)^{NCAA}**SERVICE ID # 03220300****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).

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

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.

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

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.

653 Debate I (Grades 9-12; 1 Credit)^{NCAA}**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} **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)

655 Debate III (Grades 11-12; 1 credit)^{NCAA} **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)

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 # 03221810**

808 Future Problem Solving III (FPS III; Grades 12; 1 Credit) (TCHS Only) **SERVICE ID # 03221820**

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.

070 Communication Applications (Grade 9-12; ½ credit) **SERVICE ID # 03241400**

651 SPCH 1318 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 (I) (Grades 10-12, ½-1 Credit) SERVICE ID # 03231000

673 Independent Study in Journalism (II) (Grades 10-12, ½-1 Credit) SERVICE ID # 03231011

674 Independent Study in 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 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
8 th Algebra I	Geometry Advanced Geometry
Algebra I	Geometry Geometry Advanced Algebraic Reasoning (EOC Remediation)
Geometry	Algebra II Math Models with Applications Algebra II Advanced
Geometry Advanced	Algebra II 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 MATH 0320/MATH 1314 College Prep Math Statistics
Algebra II Advanced	OnRamps Pre-Calculus Pre-Calculus MATH 0320/MATH 1314 College Prep Math Statistics
OnRamps College Algebra	OnRamps Pre-Calculus Pre-Calculus MATH 0320/MATH 1314 College Prep Math Statistics
Pre-Calculus	MATH 0320/MATH 1314 OnRamps College Algebra AP Calculus AB College Prep Math Statistics
On-Ramps Pre-Calculus	AP Calculus AB 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**)*

115 Algebra II Advanced (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. Students are assigned projects that stress real-world application of the material. *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 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 TSIA requirements for TSIA in mathematics. (Pre-requisites: **Algebra I, Geometry**, and successful completion of the Algebra I EOC.)

145 Statistics (Grades 11-12; 1 Credit)^{NCAA}**SERVICE ID # 03102530**

Statistics will broaden a student's knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inferencing, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis. (Pre-requisite: **Algebra I and Geometry**)

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, matrices, 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 11-12; 1 Credit)^{NCAA}**SERVICE ID # 03102530**

OnRamps Statistics is a dual enrollment course with the University of Texas at Austin. Students will complete their math credit while earning MATH 1342 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 hour credit course is designed for students to develop the quantitative reasoning skills and habits of mind necessary to use data science and mathematical thinking effectively across multiple disciplines while learning the interactive application and coding skills needed to meet the demands of higher education and the workforce. (Pre-requisites: **Algebra I** and successful completion of the Algebra I EOC. **Algebra II** is recommended.)

136 MATH 1314. College Algebra (Grade 12; ½ Credit)^{NCAA (2nd Semester)}**SERVICE ID # 03102500**

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 TSIA.)

138 MATH 2412. Pre-Calculus (Grade 12; ½ Credit)^{NCAA}**SERVICE ID # 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}**SERVICE ID # 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)

169 EOC Prep Math (Grade 12; Local Credit)**SERVICE ID#84100XXX**

This course is designed to help prepare for the Algebra I End-Of-Course exam. Students will receive instruction on Algebra skills and knowledge measured by that exam.

Science Department

Course Recommendation Chart

This chart indicates recommended course sequences for grade 9 through 12.
It is strongly suggested that 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	
Biology Advanced	Chemistry Advanced OnRamps Chemistry I Chemistry Physics	
Integrated Physics & Chemistry (IPC)	Chemistry Physics Environmental Systems or Earth/Space	
Chemistry	Physics Environmental Systems Forensic Science Anatomy & Physiology	Medical Microbiology Aquatics Earth/Space
Chemistry Advanced or OnRamps Chemistry I	OnRamps Physics AP Biology AP Chemistry Environmental Systems Forensic Science	Anatomy & Physiology Medical Microbiology Aquatics Earth/Space
Physics	Environmental Systems Anatomy & Physiology Forensic Science Medical Microbiology OnRamps Physics	AP Biology AP Chemistry Aquatics Earth/ Space
OnRamps Physics	AP Biology AP Chemistry Anatomy & Physiology Medical Microbiology	Forensic Science Aquatics Earth/Space Environmental Systems

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 # 03010200

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 # 03060201

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 # A3010200**

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 OnRampus Physics (Grades 11-12, 1 Credit)^{NCAA}**SERVICE ID # 03050000**

OnRampus Physics 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)

269 EOC Prep Biology (Grade 12; Local Credit)**SERVICE ID#84800XXX**

This course is designed to help students prepare for the Biology End-of-Course exam. Students will receive instruction on Biology skills and knowledge measured by that exam.

7715 Medical Microbiology (Grade 12, Semester 1; 1 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 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: 3 science credits and passing scores on Biology EOC exam.)

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.)

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 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 AP World History
8 th Grade Social Studies Advanced	World Geography AP Human Geography World History AP World History
World Geography	United States History OnRamps US History AP US History
AP Human Geography	United States History OnRamps US History AP US History
World History	United States History OnRamps US History HIST 1301/HIST 1302 AP United States History AP Human Geography World Geography
AP World History	AP United States History OnRamps US History HIST 1301/HIST 1302 United States History AP Human Geography World Geography
United States History	World Geography AP Human Geography World History AP World History Government/Economics GOVT 2301 AP US Government/AP Macroeconomics
AP United States History	World Geography AP Human Geography World History AP World History AP US Government/AP Macroeconomics GOVT 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 9-11; 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 9-12; 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 9-10; 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.*

312 AP World History: Modern (Grades 9-11; 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 10-11; 1 Credit)^{NCAA}

SERVICE ID # 03340100

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 10-11; 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- Requite: **English II**)

316 AP United States History (Grades 10-11; 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) (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 or Personal Financial Literacy and Economics) 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 or Personal Financial Literacy and 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.

335 Personal Financial Literacy and Economics (Grades 11-12; ½ Credit) SERVICE ID # 03380083
This is a one-semester course that introduces a framework emphasizing the economic way of thinking as a foundation for personal financial decision-making opportunities. Students will demonstrate the ability to anticipate and address financial challenges while exploring ways to invest in themselves with education and skill development, earn income, and budget for spending, saving, investing, and protecting. Students will examine their individual responsibility for managing their personal finances and understand the impact of selected decisions on their standard of living and long-term financial well-being. Further, students will develop a foundational understanding of microeconomics and macroeconomics as they connect how their financial decision-making impacts the greater economy. An emphasis will be placed on budgeting, data analysis, critical decision-making, and independent research. *This course is REQUIRED (or Economics or Macroeconomics) for the FHSP.* (Pre-requisite: **World Geography** or **World History** and **US History**)

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.

369 EOC Prep U.S. History (Grade 12; Local Credit) SERVICE ID # 84400XXX
This course is designed to help students prepare for the U.S. History End-of-Course exam. Students will receive instruction on U.S. History skills and knowledge measured by that exam.

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 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 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 nine 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). 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 # A3440100**

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 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. Understanding music through the study of cultural periods, major composers, and musical elements. Illustrated with audio recordings and live performances (does not apply to a music major).

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

Art I is a comprehensive course that provides the student with introductory experiences in expressing themselves inventively and imaginatively through a variety of art experiences, media, techniques, and vocabulary. Emphasis is placed on the elements and principles of design. The class is designed to help students understand and appreciate artworks both past and present, and the vital contribution these artworks have made to society. *Fee: \$10.00 for art materials*

605 Art II, Ceramics I (Grades 10-12; 1 Credit) SERVICE ID # 03500900

This is a yearlong, intermediate level art course designed to strengthen a student's three-dimensional and spatial skills. Students will explore various forms of clay, glazes, tools, and visual expression through ceramics. The study and analysis of a variety of ceramic arts and artists including the history of functional and nonfunctional ceramics will be emphasized. (Pre-requisite: Art I or teacher recommendation) *Fee: \$20.00 for art materials*

606 Art III, Ceramics II (Grades 11-12; 1 Credit)**SERVICE ID # 03501800**

This is a yearlong, advanced level art course designed to strengthen a student's three-dimensional and spatial skills. Students will explore various forms of clay, glazes, tools, and visual expression through ceramics. The study and analysis of a variety of ceramic arts and artists including the history of functional and nonfunctional ceramics will be emphasized. (Pre-requisite: **Art II, Ceramics I**, and **teacher recommendation**) *Fee: \$20.00 for art materials*

6064 Art IV, Ceramics III (Grades 12; 1 Credit)**SERVICE ID # 03502700**

This is a yearlong, advanced level art course that extends the student's artistic understanding and experiences as introduced in Ceramics III. Emphasis will be placed on the advanced development of compositional skills and imaginative use of the elements and principles of design in ceramics on a larger scale. This class is designed to develop the student's commitment to a self-determined area of special interest. Students will implement advanced forms of clay, glazes, tools, and firing techniques to develop a series of artwork based on a personal style and theme. The study and analysis of a variety of advanced ceramic arts and artists including the history of functional and nonfunctional ceramic will be emphasized. (Pre-requisite: **Art III, Ceramics II**, and **teacher recommendation**) *Fee: \$20.00 for art materials*

611 Art II, Drawing I (Grades 10-12; 1 Credit)**SERVICE ID # 03500500**

This is a yearlong, intermediate level art course extends the student's artistic understanding and experiences as introduced in Art I. Emphasis will be placed on the development of compositional skills and imaginative use of the elements and principles of design. The class is designed to strengthen the student's drawing and two-dimensional skills. Problem-solving skills will be developed through experimentation with a variety of drawing media and subject matter. The history and the analysis of two-dimensional design will be emphasized. Outside assignments and a journal are requirements for the course. (Pre-requisite: **Art 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 Art III, Drawing II (Grades 11-12; 1 Credit)**SERVICE ID # 03501300**

This is a yearlong, advance level art course extends the student's artistic understanding and experiences. Emphasis will be placed on the advanced development of compositional skills and imaginative use of the elements and principles of design in drawing. This class is designed to develop the mastery of two-dimensional media. The study of art appreciation and history is incorporated within every technical skill. Emphasis will be placed on the development of problem-solving skills through experimentation with a variety of advanced drawing media and subject matter. The history and the analysis of drawing will be emphasized. (Pre-requisite: **Art II, Drawing I**, and **teacher recommendation**) *Fee: \$15.00 for art materials*

6124 Art IV, Drawing III (Grades 11-12; 1 Credit)**SERVICE ID # 03502300**

This is a yearlong, advance level art course extends the student's artistic understanding and experiences. Emphasis will be placed on the advanced development of compositional skills and imaginative use of the elements and principles of design in advanced drawing. This class is designed to develop the student's commitment to a self-determined area of special interest. Students will apply advanced drawing tools and techniques to develop a series of artwork based on a personal style and theme. Art appreciation, self-evaluation, and higher-level problem-solving skills are emphasized. The history and the analysis of drawing will be emphasized. (Pre-requisite: **Art III, Drawing II**, and **teacher recommendation**) *Fee: \$15.00 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 I and II**, 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 I and II**, and Teacher recommendation) *Fee: \$25.00 for art materials*

6611 AP Art History (Grades 10-12; 1 Credit) SERVICE ID # A3500100

This course is equivalent to a two-semester introductory college course that explores topics such as culture, art making, and responses to art. By investigating a specific image set of 250 works of art characterized by diverse artistic traditions from prehistory to contemporary, the course fosters in-depth understanding of the history of art from a global perspective. Students are introduced to the global art world, learn about its forms and content, as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. Students with an interest in world history, literature, and/or fine arts are encouraged to take this course. (Suggested Pre-requisites: English II and AP World History)

Band Course Descriptions

631 Concert Band I (Grades 9-12; 1 credit)	SERVICE ID # 03150100
634 Concert Band II (Grades 10-12; 1 credit)	SERVICE ID # 03150200
637 Concert Band III (Grades 11-12; 1 credit)	SERVICE ID # 03150300
640 Concert Band IV (Grades 12; 1 credit)	SERVICE ID # 03150400
633 Wind Ensemble Band I (Varsity Level; Grades 9-12; 1 Credit)	SERVICE ID # 03150100
636 Wind Ensemble Band II (Varsity Level; Grades 10-12; 1 Credit)	SERVICE ID # 03150200
639 Wind Ensemble Band III (Varsity Level; Grades 11-12; 1 Credit)	SERVICE ID # 03150300
642 Wind Ensemble Band IV (Varsity Level; Grade 12; 1 Credit)	SERVICE ID # 03150400
PE Substitution Marching Band (Grades 9-12; ½ Credit)	SERVICE ID # PES00012

Participation in all marching band activities is required for all students who elect to take the academic band performance courses. Students will earn 0.5 PE substitution credit upon successful completion of the fall semester of Marching Band. A maximum of 1.0 PE substitution credit will be allowed. These courses consist of marching, concert playing, sight reading, small ensemble playing and individual instrumental technique. Public performance is an integral part of the band experience. Students in grades nine through twelve will comprise various classes according to achievement levels monitored by periodic auditions. These groups may participate in UIL and TMEA competitions. Requirements will include after-school rehearsals and performances as the development of fundamental performance skills is stressed. (Pre-requisite: Audition based selection, 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
PE Substitution Marching Band (Grades 9-12; ½ Credit)	SERVICE ID # PES00012

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. Students will earn 0.5 PE substitution credit upon successful completion of the fall semester of Marching Band. A maximum of 1.0 PE substitution credit will be allowed. Membership is based on audition and the final decision is made by the head band director.

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)

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

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

These choir classes emphasize ensemble singing, music theory, listening, and performance. Students will comprise various classes according to achievement levels monitored by periodic auditions. These groups may participate in UIL and TMEA competitions. Students will be required to participate in rehearsals and performances outside the regular school day. (Pre-requisite: Teacher Approval)

6471 The Show Choir I (Grades 9-12; 1 Credit)	SERVICE ID # 03152500
6472 The Show Choir II (Grades 10-12; 1 Credit)	SERVICE ID # 03152600
6473 The Show Choir III (Grades 11-12; 1 Credit)	SERVICE ID # 03152601
6474 The Show Choir IV (Grade 12; 1 Credit)	SERVICE ID # 03152602

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 **another choir** may be required. The auditions will take place at the end of each school year for the following year.

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 <u>high school</u> 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 I (10-12; 1 Credit) **SERVICE ID # 03834100**

498 Dance Wellness II (11-12; 1 Credit) **SERVICE ID # 03834200**

499 Dance Wellness III (12; 1 Credit) **SERVICE ID # 03834300**

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 (Grades 9-12; 1 Credit) **SERVICE ID # 03833300**

4922 Drill Team II (Grades 10-12; 1 Credit) **SERVICE ID # 03833400**

4923 Drill Team III (Grades 11-12; 1 Credit) **SERVICE ID # 03833500**

4924 Drill Team IV (Grade 12; 1 Credit) **SERVICE ID # 03833600**

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)

4925 Drill Team Officer I (Dance Composition I (Grades 11-12; 1 Credit) **SERVICE ID # 03832500**

4926 Drill Team Officer II (Dance Composition II (Grades 12; 1 Credit) **SERVICE ID # 03832600**

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 # 03251900**
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 # 03252000**

648 Musical Theatre III [Advanced Scene Study] (Grades 11-12; 1 Credit) **SERVICE ID # 03252100**

649 Musical Theatre IV [Advanced Scene Study] (Grade 12; 1 Credit) **SERVICE ID # 03252200**

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 & 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)

820 School Service (Grade 12; ½-1 Local Credit ONLY)

SERVICE ID # 85000XXX

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.*

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

SERVICE ID #N1290001

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. Application required.

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

SERVICE ID #N1290002

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. Textanalysis 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. Application required.

**8152 Advancement Via Individual Determination (AVID III) (Grade 11; SERVICE ID #N1290030
1 Credit)**

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. Application required.

**8153 Advancement Via Individual Determination (AVID IV) (Grade 12; 1 SERVICE ID #N1290033
Credit)**

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. Application 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

411 Lifetime Fitness and Wellness Pursuits (PE I) (Grades 9-12; 1 Credit) SERVICE ID # PES00051

The Lifetime Fitness and Wellness 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 that will fit the individual needs of each student. Students enrolled in this class will have work-out challenges that include cardiovascular training (Fun Run Training, flexibility, Zumba, and circuit training). They will also learn the importance of good and proper nutrition and how it affects the human body.

413 Lifetime Recreation and Outdoor Pursuits (PE II) (Grades 10-12; 1 Credit) SERVICE ID # PES00053

The Lifetime Recreation and Outdoor Pursuits course provides opportunities for students to develop competency in five or more lifelong recreational and outdoor pursuits for enjoyment and challenge. Students in Lifetime Recreation and Outdoor Pursuits participate in activities that promote physical literacy, respect for and connection to nature and the environment, and opportunities for enjoyment for a lifetime. Students will experience opportunities that enhance self-worth and support community engagement.

412 Skill-Based Lifetime Activities (PE III) (Grades 11-12; 1 Credit) SERVICE ID # PES00054

The Skill-Based Lifetime Activities course offers students the opportunity to demonstrate mastery in basic sport skills, basic sport knowledge, and health and fitness principles. Students experience opportunities that promote physical literacy and lifetime wellness. Students in Skill-Based Lifetime Activities participate in a minimum of one lifelong activity from each of the following five categories: target games, striking and fielding, fitness activities, rhythmic activities, and innovative games and activities.

418 Team Sports Officiating (Grades 10-12; ½ Credit) SERVICE ID # N1160012

Students enrolled in Team Sport Officiating learn rules and regulations of selected team sports, developing skills in the area of communication, decision making, and conflict management which are needed to officiate team sport competitions. Students will be introduced to the rules of the games and officiating mechanics based on approved University Interscholastic League (UIL) association specifications which will form a foundation for a lifetime advocacy in officiating. Experienced officials will assist in providing “real-world” experiences in preparing the students for the situations they will face.

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).
- **Cheerleading I-IV** for students participating in cheer (maximum of 1 credit).
- **Dance Team I-IV** (1/2 credit per fall semester for a maximum of 1 credit).
- **Junior Reserve Officer Training Corps I-IV (JROTC)** (maximum of 1 credit).

PE Substitution Drill Team (Grades 9-12; ½ Credit)	SERVICE ID # PES00014
PE Substitution Marching Band (Grades 9-12; ½ Credit)	SERVICE ID # PES00012
PE Substitution Cheerleading (Grades 9-12; ½ Credit)	SERVICE ID # PES00013
PE Substitution JROTC (Grades 9-12; ½ Credit)	SERVICE ID # PES00004

Junior Reserve Officer Training Corps (JROTC) Course Descriptions

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.

Athletics Course ID Numbers

Girls Athletics		Boys Athletics		COED Athletics	
421	Volleyball 1	422	Boys Basketball 1	441	Tennis 1
4213	Volleyball 2	4223	Boys Basketball 2	4423	Tennis 2
4215	Volleyball 3	4425	Boys Basketball 3	4445	Tennis 3
4216	Volleyball 4	4426	Boys Basketball 4	4446	Tennis 4
423	Girls Basketball 1	431	Boys Soccer 1	451	Swimming 1
4234	Girls Basketball 2	4314	Boys Soccer 2	4514	Swimming 2
4235	Girls Basketball 3	4315	Boys Soccer 3	4515	Swimming 3
4236	Girls Basketball 4	4316	Boys Soccer 4	4516	Swimming 4
432	Girls Soccer 1	481	Football 1	461	Track 1
4323	Girls Soccer 2	4823	Football 2	4613	Track 2
4325	Girls Soccer 3	4825	Football 3	4615	Track 3
4326	Girls Soccer 4	4826	Football 4	4616	Track 4
483	Softball 1	472	Baseball 1	462	Cross Country 1
4833	Softball 2	4723	Baseball 2	4623	Cross Country 2
4834	Softball 3	4725	Baseball 3	4625	Cross Country 3
4836	Softball 4	4726	Baseball 4	4626	Cross Country 4
				471	Golf 1
				4714	Golf 2
				4715	Golf 3
				4716	Golf 4

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>

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*.

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 http://web1.ncaa.org/ECWR2/NCAA_EMS/NCAA.jsp

Divisions I & II Initial - Eligibility Requirements

Core Courses

- **NCAA Divisions I and II require 16 core courses.** See the charts below.
- **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.*

Test Scores

- As of January 2023, standardized test scores are **not required** for **all** student-athletes who initially enroll full time on or after August 1, 2023. During the 2023 NCAA Convention, **Divisions I and II** adopted legislation to remove standardized test scores for these students. The vote was based on the recommendation from the **Standardized Test Score Task Force**, a specialized group charged with reviewing initial-eligibility requirements as part of the NCAA's eight-point **plan to advance racial equality**.

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 be eligible for competition is 2.300.
- **The current Division II** GPA required to be eligible for competition is 2.200.
- 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.



CTE Programs of Study

2024-2025 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.

Jaime Louviere, Workforce Development

Liaison (409) 916-0025 or

jlouviere@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>.

Animal Science

Statewide Program of Study

Offered at:
LMHS and TCHS



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.

Secondary Courses for High School Credit

Level 1

- Principles of Agriculture, Food, and Natural Resources

Level 2

- Small Animal Management

AND

- Equine Science

Level 3

- Veterinary Medical Applications (Advanced Animal Science)

Level 4

- Practicum in Agriculture, Food, and Natural Resources

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in Texas FFA

Work-Based Learning Activities

- Compete in an Agri-Science Fair 4H
- Volunteer at a local farm or with a veterinarian
- Participate in an FFA supervised agriculture experience

Postsecondary Opportunities

Associates Degrees

- Food Science and Technology
- Veterinary Studies
- Biotechnology Laboratory Technician
- Biology Technician

Bachelor's Degrees

- Animal Sciences
- Agriculture
- Biology
- Zoology/ Animal Biology

Master's, Doctoral, and Professional Degrees

- Genetics
- Veterinary Medicine
- Biological and Physical Sciences
- Biological and Biomedical Sciences

Industry-Based Certifications

- Certified Veterinary Assistant, Level 1 (TCHS only)
- Elanco Equine Science
- Elanco Fundamentals of Animal Science Certification
- Elanco Veterinary Medical Applications Certification
- Texas Beef Quality Assurance



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Animal Breeders	\$39,139	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%

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 – August 2022

Animal Science (Vet Med)

Course Information

Level 1

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.

Level 2

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. **Prerequisite: Principles of AFNR**

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. **Prerequisite: Principles of AFNR**

Level 3

7734 Veterinary Medical Applications (Dual Enrollment- Advanced Animal Science) (Grades 11-12; 1 Credit)

Service ID 13000700

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. This course is dual enrollment through a partnership with Tarleton State University. Students will also be enrolled ANSC 1119 and 1319 **Prerequisite: Equine Science and Small Animal Management *New for LMHS 25-26**

Level 4

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. TCHS students must obtain an internship at an approved Veterinary Clinic for 300 hours. **Prerequisite: Veterinary Medical Applications *New for LMHS 26-27**

Plant Science

Statewide Program of Study

Offered at:
TCHS



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.

Secondary Courses for High School Credit

Level 1

- Principles of Agriculture, Food, and Natural Resources

Level 2

- Floral Design

Level 3

- Horticultural Science/Lab

Level 4

- Advanced Plant and Soil Science

Postsecondary Opportunities

Associates Degrees

- Applied Horticulture/ Horticulture Operations, General
- Ornamental Horticulture
- Agricultural Business and Management, General
- Turf and Turfgrass Management

Bachelor's Degrees

- Applied Horticulture/ Horticulture Operations, General
- Agronomy and Crop Science
- Agricultural Business and Management, General
- Turf and Turfgrass Management

Master's, Doctoral, and Professional Degrees

- Applied Horticulture/ Horticulture Operations, General
- Agronomy and Crop Science
- Agricultural Business and Management, General
- Farm/Farm and Ranch Management

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in Texas FFA

Work-Based Learning Activities

- Work at a florist or landscaper business
- Participate in an FFA supervised agriculture experience

Industry-Based Certifications

- Texas State Florist's Association Knowledge Based Floral Certification
- BASF Plant Science Certification



Aligned Occupations

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%

Successful completion of the Plant 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 – August 2022

Plant Science

Course information

Level 1

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.

Level 2

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. **Prerequisite: Principles of AFNR**

Level 3

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. **Prerequisite: Floral Design**

Level 4

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. **Prerequisite: Horticulture and 1 Science Credit**

Architectural Design

Statewide Program of Study

Offered at:
LMHS



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

Secondary Courses for High School Credit

Level 1

- Principles of Architecture

Level 2

- Architectural Design I

Level 3

- Architectural Design II

Level 4

- Practicum in Architectural Design

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> Shadow an architect, interior designer or civil engineer Participate in SkillsUSA 	<ul style="list-style-type: none"> Intern at an architectural firm

Industry-Based Certifications

- Autodesk Associate (Certified User) AutoCAD

Postsecondary Opportunities

Associates Degrees

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

Bachelor's Degrees

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

Master's, Doctoral, and Professional Degrees

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



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Architects	\$77,043	808	16%
Geographic Information Analysts and Surveyors	\$58,926	162	27%
Architectural/ Civil Drafters	\$50,170	1,068	9%
Construction Managers	\$87,402	2,401	14%

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

Architectural Design

Course Information

Level 1

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.

Level 2

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

Service ID 13004600

In Architectural Design I, students will gain knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. Architectural Design I include the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for nonresidential or residential architectural purposes. **Prerequisite: Principles of Architecture, Algebra I, English I**

Level 3

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

Service ID 13004700

In Architectural Design II, students will gain advanced knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. Architectural Design II includes the advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for nonresidential or residential architectural purposes. **Prerequisite: Architectural Design I**

Level 4

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

Service ID 13004800

Practicum in Architectural Design is an occupationally specific course designed to provide technical instruction in architectural design. Safety and career opportunities are included in addition to work ethics and architectural design study. **Prerequisite: Architectural Design II**

Carpentry

Statewide Program of Study

Offered at:
Industrial Trades Center



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.

Secondary Courses for High School Credit

Level 1

- Principles of Construction

Level 2

- Construction Technology I

Level 3

- Construction Technology II

Level 4

- Practicum in Construction Technology

Postsecondary Opportunities

Associates Degrees

- Carpentry/Carpenter
- Industrial Mechanics and Maintenance Technology

Bachelor's Degrees

- Construction Science

Master's, Doctoral, and Professional Degrees

- Construction Management

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
------------------------	--------------------------------

- | | |
|--|--|
| <ul style="list-style-type: none"> Shadow a carpenter or millwright Participate in SkillsUSA | <ul style="list-style-type: none"> Obtain an NCCER certification in Millwright Level 1 or Carpentry Level 1 |
|--|--|

Industry-Based Certifications

- NCCER Carpentry Level I
- NCCER Carpentry Level II
- NCCER Core
- Forklift Operator
- TWIC Card
- CPR



Aligned Occupations

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

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

Carpentry

Course Information

Level 1

7841 Principles of Construction (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.**

Level 2

7866 Construction Technology I (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. Prerequisite: Principles of Construction**

Level 3

7867 Construction Technology II (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 need to purchase appropriate boots. **Drug testing is mandatory for this course. Prerequisite: Construction Technology I**

Level 4

7846 Practicum in Construction Technology (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 need to purchase appropriate boots. **Drug testing is mandatory for this course. Prerequisite: Construction Technology II**

Electrical & Instrumentation

Statewide Program of Study

Offered at:
Industrial Trades Center



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

Secondary Courses for High School Credit

Level 1

- Principles of Construction

Level 2

- Electrical Technology I
- AND
- Occupational Safety & Environmental Technology I

Level 3

- Electrical Technology II

Level 4

- Practicum in Construction Technology

Postsecondary Opportunities

Associates Degrees

- Electrician
- Communications Systems Installation and Repair Technology

Bachelor's Degrees

- Construction Science

Master's, Doctoral, and Professional Degrees

- Construction Management

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

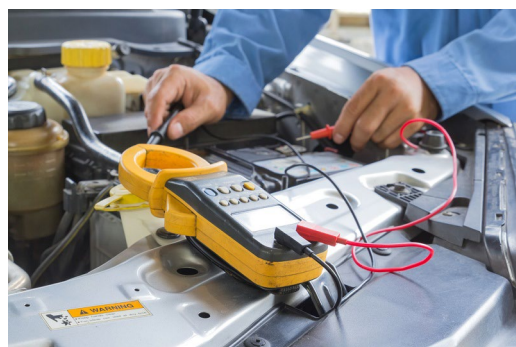
- Shadow an electrician or fiber optics line installer
- Participate in SkillsUSA

Work-Based Learning Activities

- Intern or shadow an electrician

Industry-Based Certifications

- NCCER Core
- NCCER Electrical Level I
- NCCER Instrumentation Level I
- Forklift Operator
- CPR
- TWIC card



Aligned Occupations

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

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

Electrical & Instrumentation

Course Information

Level 1

7842 Principles of Construction (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.**

Level 2

7868 Occupational Safety & Environmental Technology

Service ID N1303680

(Grades 10-12; 1 Credit) Co Requisite: 7771 Electrical Technology I

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 need to purchase appropriate boots for this course. **Drug testing is mandatory for this course. Prerequisite: Principles of Construction**

7771 Electrical Technology I

Service ID 13005600

(Grade 10-12; 1 Credit) Co Requisite: 7868 Occupational Safety & Environmental Technology

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 need to purchase appropriate boots for this course. **Drug testing is mandatory for this course. Prerequisite: Principles of Construction**

Level 3

7844 Electrical Technology II (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 need to purchase appropriate boots for this course. **Drug testing is mandatory for this course. Prerequisite: Electrical Technology I and Occupational Safety and Environmental Technology I**

Level 4

7847 Practicum in Construction Technology (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 need to purchase appropriate boots for this course. **Drug testing is mandatory for this course. Prerequisite: Electrical Technology II**

Pipefitting

Statewide Program of Study

Offered at:
Industrial Trades Center



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

Secondary Courses for High School Credit

Level 1

- Principles of Construction

Level 2

- Pipefitting Technology I/Lab

Level 3

- Pipefitting Technology II/Lab

Level 4

- Practicum in Construction Technology

Work-Based Learning and Expanded Learning Opportunities

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

Industry-Based Certifications

- NCCER Pipefitting, Level I
- NCCER CORE
- Forklift Operator
- CPR
- TWIC Card

Postsecondary Opportunities

Associates Degrees

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

Bachelor's Degrees

- Construction Science
- Operations Management and Supervision

Master's, Doctoral, and Professional Degrees

- Construction Management
- Operations Management and Supervision



Aligned Occupations

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

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

Pipefitting

Course Information

Level 1

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.**

Level 2

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) Service ID N1300427 **(Grades 10-12; 1 Credit 2nd Semester) Co Requisite: 7872**

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. Prerequisite: Principles of Construction and Algebra I**

Level 3

7873 Pipefitting Technology II (Grades 11-12; 1 Credit 1st Semester) Service ID N1300426

7875 Pipefitting Technology II/Lab (Grades 11-12; 1 Credit 2nd Semester) 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. Students will be required to purchase boots. **Drug testing is mandatory for this course. Prerequisite: Pipefitting Technology I**

Level 4

7848 Practicum in Construction Technology (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. Prerequisite: Pipefitting Technology II**

Digital Communications (E-Sports)

Statewide Program of Study

Offered at:
LMHS & TCHS



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, multimedia design, shout casting, streaming and related electronic equipment.

Secondary Courses for High School Credit

Level 1

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

Level 2

- Audio/Video Production I

Level 3

- Audio/Video Production II/Lab

Level 4

- Practicum of Audio/Video Production

Postsecondary Opportunities

Associates Degrees

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

Bachelor's Degrees

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

Master's, Doctoral, and Professional Degrees

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

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Shadow a production team
- Participate in SkillsUSA or TSA

Work-Based Learning Activities

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

Industry-Based Certifications

- Adobe Certified Professional in Digital Video Using Adobe Premiere Pro
- Digital Foundations



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Sound Engineering Technicians	\$39,562	79	27%
Camera Operators, Television, Video, and Motion Picture	\$50,024	129	9%
Audio and Video Equipment Technicians	\$40,581	757	29%
Film and Video Editors	\$47,382	118	23%

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

Digital Communications (E-Sports)

Course Information

Level 1

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.

Level 2

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. **Prerequisite: Principles of Arts A/V Technology and Communications. *New for LMHS 25-26**

Level 3

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. **Prerequisite: Audio/Video Production I *New for LMHS 26-27**

Level 4

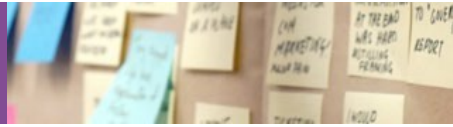
7758 Practicum in Audio Video Production (Grade 12; 2 Credits) Service ID 13008700

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. **Prerequisite: Audio/Video Production II/Lab *New for LMHS 27-28**

Business Management

Statewide Program of Study

Offered at:
LMHS and TCHS



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

Secondary Courses for High School Credit

Level 1

- Business Information Management I

Level 2

- Business Information Management II

Level 3

- Career Preparation I

Level 4

- Career Preparation II

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

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

Work-Based Learning Activities

- Intern with a local business or chamber of commerce

Industry-Based Certifications

- Microsoft Office Specialist: Microsoft Excel Expert (Excel and Excel 2019)
- Microsoft Office Specialist: Microsoft Word Expert (Word and Word 2019)
- Microsoft Office Specialist-Powerpoint

Postsecondary Opportunities

Associates Degrees

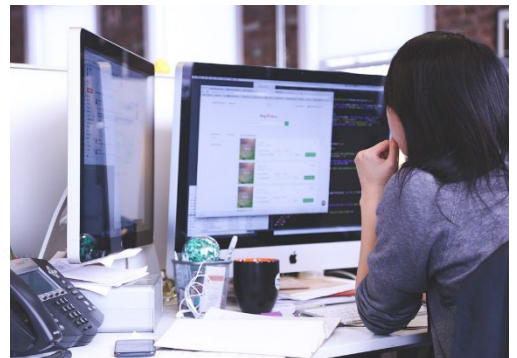
- Business Administration
- Business/Commerce
- Public Administration
- Business Management

Bachelor's Degrees

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

Master's, Doctoral, and Professional Degrees

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



Aligned Occupations

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

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

Business Management

Course Information

Level 1

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.

Level 2

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. **Prerequisite: Business Information Management I**

Level 3

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.

Level 4

7816 Career Preparation II (Grade 12; 3 Credits)

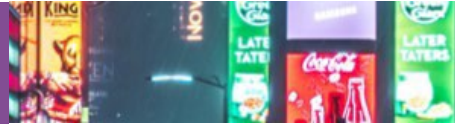
Service ID 12701305

Career Preparation II 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: Career Prep I

Marketing & Sales *Statewide* Program of Study

Offered at:
TCHS



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.

Secondary Courses for High School Credit

Level 1

- Principles of Business, Marketing, and Finance

Level 2

- Social Media Marketing

AND

- Virtual Business

Level 3

- Advanced Marketing

Level 4

- Practicum in Marketing

Postsecondary Opportunities

Associates Degrees

- Marketing/ Marketing Management, General
- Consumer Merchandising/ Retailing Management
- International Marketing
- Business

Bachelor's Degrees

- Marketing/ Marketing Management, General
- Business Administration
- Applied Economics
- Marketing Research

Master's, Doctoral, and Professional Degrees

- Marketing
- Business Administration
- Applied Economics
- Advertising

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

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

Work-Based Learning Activities

- Intern with a local marketing firm
- Shadow a real estate agent
- Operate a school store on campus

Industry-Based Certifications

- Entrepreneurship and Small Business
- Facebook Digital Marketing Associate Certification
- Student Social Media Marketing Certification



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Marketing Research Analysts and Marketing Specialists	\$70,346	4,664	40%
Insurance Sales Agent	\$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%

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

Marketing & Sales

Course Information

Level 1

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.

Level 2

7765 Social Media Marketing (Grade 10-11; ½ Credit) Co

Service ID 13034650

Requisite: 7766 Virtual Business

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. **Prerequisite: Principles of Business, Marketing, and Finance**

7766 Virtual Business (Grades 10-11; 1/2 Credit)

Service ID 13012000

Co Requisite: 7765 Social Media 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. **Prerequisite: Principles of Business, Marketing, and Finance**

Level 3

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. **Prerequisite: Social Media Marketing and Virtual Business**

Level 4

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. **Prerequisite: Advanced Marketing**

Teaching and Training

Statewide Program of Study

Offered at:
LMHS and TCHS



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

Secondary Courses for High School Credit

Level 1

- Principles of Education and Training

Level 2

- Human Growth and Development

Level 3

- Instructional Practices

OR

- Instructional Practices (Dual Credit)

Level 4

- Practicum in Education and Training

OR

- Practicum in Education and Training (Dual Credit)

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in the Texas Association of Future Educators or Family, Career, and Community Leaders of America

Work-Based Learning Activities

- Teach a community education class
- Intern as a teaching assistant or tutor
- Serve as a camp counselor

Industry-Based Certifications

- Educational Aide I

Postsecondary Opportunities

Associates Degrees

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

Bachelor's Degrees

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

Master's, Doctoral, and Professional Degrees

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



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Adult Basic and Secondary Education and Literacy Teachers and Instructors	\$48,069	862	17%
Middle School Teachers, Except Special and Career/Technical Education	\$54,510	6,407	15%
Career and Technical Education Teachers, Secondary School	\$56,360	719	9%
Special Education Teachers, Secondary School	\$56,720	980	18%

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

Teaching and Training

Course Information

Level 1

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.

Level 2

7703 Human Growth and Development (Grades 10-12; 1 Credit)

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. **Prerequisite: Principles of Education and Training**

Level 3

7702 Instructional Practices in Education and Training (Grades 11-12; 2 Credits)

Service ID 13014400

OR

7910 Instructional Practices in Education and Training (Grades 11-12; 2 Credits) Dual Credit EDUC 1301

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. **Prerequisite: Human Growth and Development**

Level 4

7707 Practicum in Education and Training (Grade 12; 2 Credits)

Service ID 13014500

OR

7911 Practicum in Education and Training (Grade 12; 2 Credits) Dual Credit EDUC 2301

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. **Prerequisite: Instructional Practices in Education and Training**

Healthcare Therapeutic (Dentistry) Statewide Program of Study

Offered at:
TCHS



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.

Secondary Courses for High School Credit

Level 1

- Principles of Health Science

Level 2

- Medical Terminology
- Principles of Health Science *Class of 2027

Level 3

- Health Science Theory (Required)
AND
- Anatomy and Physiology (Recommended)

Level 4

- Practicum in Health Science- Dentistry (Required)
- Medical Microbiology (Recommended)

Postsecondary Opportunities

Associates Degrees

- Dental Hygienist
- Medical/Clinical Assistant

Bachelor's Degrees

- Dental Hygienist

Master's, Doctoral, and Professional Degrees

- Dentist
- Physician Assistant
- Family and General Practitioners
- Pharmacist

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in SkillsUSA or Health Occupation Students of America

Work-Based Learning Activities

- Volunteer at a community wellness center, hospital, assisted living, or nursing home

Industry-Based Certifications

- Certified Dental Assistant
- CPR



Aligned Occupations

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%

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 – August 2022

Healthcare Therapeutic (Dentistry)

Course Information

Class of 2027:

Level 1

7745 Medical Terminology (Grades 10-11; 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. **Prerequisite: Principles of Health Science and Biology or IPC**

Level 2

7736 Principles of Health Science (Grades 9-10; 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.

Class of 2028 and Beyond:

Level 1

7735 Principles of Health Science (Grades 9-10; 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.

Level 2

7745 Medical Terminology (Grades 10-11; 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. **Prerequisite: Principles of Health Science and Biology or IPC**

Level 3

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

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. **Prerequisite: Medical Terminology, Biology and Chemistry**

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

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. **Prerequisite: Biology and a second Science credit**

Level 4

7739 Practicum in Health Science (Dentistry) (Grade 12; 2 Credits) (Required) *New for 25-26 School Year

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. **Students must have own transportation for this course. ** Uniforms are required and are worn during clinical rotations and field trips. There will be fees associated with this program. **Prerequisite: Health Science Theory and 3 credits in Science including Biology.**

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

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. **Prerequisite: Biology and Chemistry**

Healthcare Therapeutic (EMT) Statewide Program of Study

Offered at:
LMHS & TCHS



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.

Secondary Courses for High School Credit

Level 1

- Principles of Health Science

Level 2

- Medical Terminology
- Principles of Health Science *Class of 2027

Level 3

- Health Science Clinical (Required)
- Anatomy and Physiology (Recommended)

Level 4

- Practicum in Health Science- EMT (Required)
- Medical Microbiology (Recommended)

Postsecondary Opportunities

Associates Degrees

- Dental Hygienist
- Medical/Clinical Assistant

Bachelor's Degrees

- Dental Hygienist

Master's, Doctoral, and Professional Degrees

- Dentist
- Physician Assistant
- Family and General Practitioners
- Pharmacist

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in SkillsUSA or Health Occupation Students of America

Work-Based Learning Activities

- Volunteer at a community wellness center, hospital, assisted living, or nursing home

Industry-Based Certifications

- Emergency Medical Technician
- CPR



Aligned Occupations

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%

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 – August 2022

Healthcare Therapeutic (EMT)

Course Information

Class of 2027:

Level 1

7745 Medical Terminology (Grades 10-11; 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. **Prerequisite: Principles of Health Science and Biology or IPC**

Level 2

7736 Principles of Health Science (Grades 9-10; 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.

Class of 2028 and Beyond:

Level 1

7735 Principles of Health Science (Grades 9-10; 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.

Level 2

7745 Medical Terminology (Grades 10-11; 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. **Prerequisite: Principles of Health Science and Biology or IPC**

Level 3

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

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. There are student fees that are required for the clinical rotations. A uniform fee of \$48 and a clinical lab fee of \$42.00. **Prerequisite: Medical Terminology and 2 Science credits including Biology**

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

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. **Prerequisite: Biology and a second Science credit**

Level 4

7738 Practicum in Health Science- EMT (Grade 12; 2 Credits) (Required)

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. ****Students must have own transportation for this course. **** Uniforms are required and are worn during clinical rotations and field trips. There is a student clinical fee of \$ 42.00 that is required to participate in the Practicum of Health Science class. Additional fees may be required to obtain a health science certification. Weighted points will be awarded. **Prerequisite: Health Science Clinicals and 3 Science credits including Biology**

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

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. **Prerequisite: Biology and Chemistry**

Healthcare Therapeutic (PCT) Statewide Program of Study

Offered at:
LMHS & TCHS



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.

Secondary Courses for High School Credit

Level 1

- Principles of Health Science

Level 2

- Medical Terminology
- Principles of Health Science *Class of 2027

Level 3

- Health Science Clinical (Required)
- Anatomy and Physiology (Recommended)

Level 4

- Practicum in Health Science- PCT (Required)
- Medical Microbiology (Recommended)

Postsecondary Opportunities

Associates Degrees

- Dental Hygienist
- Medical/Clinical Assistant

Bachelor's Degrees

- Dental Hygienist

Master's, Doctoral, and Professional Degrees

- Dentist
- Physician Assistant
- Family and General Practitioners
- Pharmacist

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in SkillsUSA or Health Occupation Students of America

Work-Based Learning Activities

- Volunteer at a community wellness center, hospital, assisted living, or nursing home

Industry-Based Certifications

- Patient Care Technician
- CPR



Aligned Occupations

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%

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 – August 2022

Healthcare Therapeutic (PCT)

Course Information

Class of 2027:

Level 1

7745 Medical Terminology (Grades 10-11; 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. **Prerequisite: Principles of Health Science and Biology or IPC**

Level 2

7736 Principles of Health Science (Grades 9-10; 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.

Class of 2028 and Beyond:

Level 1

7735 Principles of Health Science (Grades 9-10; 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.

Level 2

7745 Medical Terminology (Grades 10-11; 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. **Prerequisite: Principles of Health Science and Biology or IPC**

Level 3

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

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. There are student fees that are required for the clinical rotations. A uniform fee of \$48 and a clinical lab fee of \$42.00. **Prerequisite: Medical Terminology and 2 Science credits including Biology**

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

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. **Prerequisite: Biology and a second Science credit**

Level 4

7737 Practicum in Health Science (Grade 12; 2 Credits) (Required)

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. ****Students must have own transportation for this course. **** Uniforms are required and are worn during clinical rotations and field trips. There is a student clinical fee of \$ 42.00 that is required to participate in the Practicum of Health Science class. Additional fees may be required to obtain a health science certification. Weighted points will be awarded. **Prerequisite: Health Science Theory and 3 Science credits including Biology**

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

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. **Prerequisite: Biology and Chemistry**

Healthcare Therapeutic (Pharmacology)

Statewide Program of Study

Offered at:
TCHS



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.

Secondary Courses for High School Credit

Level 1

- Principles of Health Science

Level 2

- Medical Terminology
- Principles of Health Science *Class of 2027

Level 3

- Health Science Theory (Required)
- Anatomy and Physiology (Recommended)

Level 4

- Practicum in Health Science (Required)
- Medical Microbiology (Recommended)

Postsecondary Opportunities

Associates Degrees

- Dental Hygienist
- Medical/Clinical Assistant

Bachelor's Degrees

- Dental Hygienist

Master's, Doctoral, and Professional Degrees

- Dentist
- Physician Assistant
- Family and General Practitioners
- Pharmacist

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in SkillsUSA or Health Occupation Students of America

Work-Based Learning Activities

- Volunteer at a community wellness center, hospital, assisted living, or nursing home

Industry-Based Certifications

- Pharmacy Technician
- CPR



Aligned Occupations

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%

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 – August 2022

Healthcare Therapeutic (Pharmacology)

Course Information

Class of 2027:

Level 1

7745 Medical Terminology (Grades 10-11; 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. **Prerequisite: Principles of Health Science and Biology or IPC**

Level 2

7736 Principles of Health Science (Grades 9-10; 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.

Class of 2028 and Beyond:

Level 1

7735 Principles of Health Science (Grades 9-10; 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.

Level 2

7745 Medical Terminology (Grades 10-11; 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. **Prerequisite: Principles of Health Science and Biology or IPC**

Level 3

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

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. **Prerequisite: Medical Terminology, Biology and Chemistry**

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

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. **Prerequisite: Biology and a second Science credit**

Level 4

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. ****Students must have own transportation for this course. **** Uniforms are required and are worn during clinical rotations and field trips. There will be fees associated with this program. **Prerequisite: Health Science Theory and 3 credits in Science including Biology**

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

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. **Prerequisite: Biology and Chemistry**

Culinary Arts

Statewide Program of Study

Offered at:
LMHS and TCHS



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

Secondary Courses for High School Credit

Level 1

- Business Information Management I

Level 2

- Culinary Arts

Level 3

- Advanced Culinary Arts

Level 4

- Practicum in Culinary Arts

Postsecondary Opportunities

Associates Degrees

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

Bachelor's Degrees

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

Master's, Doctoral, and Professional Degrees

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

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

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

Work-Based Learning Activities

- Plan a catering event or work for a catering company
- Participate in a cooking course
- Work in a restaurant

Industry-Based Certifications

- ServSafe Handler
- ServSafe Manager



Aligned Occupations

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

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

Culinary Arts

Course Information

Level 1

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.

Level 2

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.

Level 3

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. **Prerequisite: Culinary Arts**

Level 4

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. **Prerequisite: Advanced Culinary Arts**

Lodging and Resort Management (Hospitality)

Statewide Program of Study

Offered at:
TCHS



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.

Secondary Courses for High School Credit

Level 1

- Principles of Hospitality and Tourism

Level 2

- Hotel Management

Level 3

- Hospitality Services

Level 4

- Practicum in Hospitality Services

Postsecondary Opportunities

Associates Degrees

- Hotel/Motel Administration/ Management
- Business Administration and Management, General
- Tourism and Travel Services Management
- Business Administration and Management

Bachelor's Degrees

- Hospitality Administration/ Management, General
- Business Administration and Management, General
- Hotel and Restaurant Management
- Marketing/ Management, General

Master's, Doctoral, and Professional Degrees

- Hospitality Administration/ Management, General
- Business Administration and Management, General
- Hospitality Administration
- Marketing/ Management, General

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in Family, Career, and Community Leaders of America or the American Hotel and Lodging Association

Work-Based Learning Activities

- Intern at a resort or lodging property
- Work at a hotel, summer camp, or theme park

Industry-Based Certifications

- Certified Tourism Ambassador
- Servsafe Handler
- Servsafe Manager
- Texas Friendly Hospitality Ambassador



Aligned Occupations

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%

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

Lodging and Resort Management (Hospitality)

Course Information

Level 1

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.

Level 2

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. **Prerequisite: Principles of Hospitality and Tourism**

Level 3

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. **Prerequisite: Hotel Management**

Level 4

7705 Practicum in Hospitality Services (Grade 12; 2 Credits)

Service ID 13022900

Practicum in Hospitality Services is a unique practicum experience to provide opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Hospitality Services 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. Students are taught employability skills, including job-specific skills applicable to their training plan, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Practicum in Hospitality Services is relevant and rigorous, supports student attainment of academic and technical standards, and effectively prepares students for college and career success.

Prerequisite: Hospitality Services

Barbering

Regional Program of Study

Offered at:
LMHS



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

Secondary Courses for High School Credit

Level 1

- Business Information Management I

Level 2

- Introduction to Cosmetology (Barbering)

Level 3

- Barbering I

Level 4

- Barbering II

Postsecondary Opportunities

Certificate/License

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

Associates Degrees

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

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

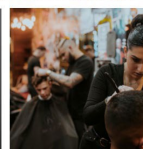
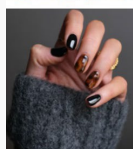
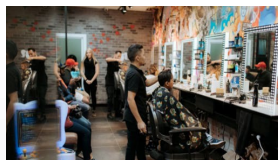
- Participate in TIVA or SkillsUSA

Work-Based Learning Activities

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

Industry-Based Certifications

- Barber Operating License



Aligned Occupations

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

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

Barbering

Course Information

Level 1

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.

Level 2

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.

Level 3

7887 Barbering I (Grades 10-12; 3 Credits)

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.

Prerequisite: Introduction to Barbering

Level 4

7888 Barbering II (Grades 10-12; 3 Credits)

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.

Prerequisite: Barbering I, 500 Clock Hours

Cosmetology

Regional Program of Study

Offered at:
LMHS and TCHS



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

Secondary Courses for High School Credit

Level 1

- Business Information Management I

Level 2

- Introduction to Cosmetology

Level 3

- Cosmetology I/Lab

Level 4

- Cosmetology II/Lab

Postsecondary Opportunities

Certificate/License

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

Associates Degrees

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

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

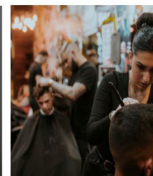
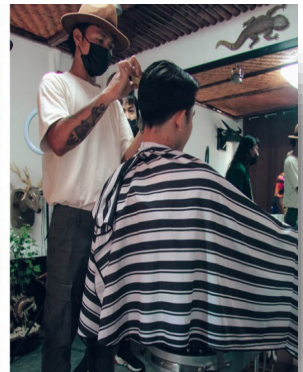
- Participate in TIVA or SkillsUSA

Work-Based Learning Activities

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

Industry-Based Certifications

- Cosmetology Operator License
- Eyelash Extension
- Hair Weaving



Aligned Occupations

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

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

Cosmetology

Course Information

Level 1

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.

Level 2

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.

Level 3

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.

Prerequisite: Introduction to Cosmetology

Level 4

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. **Prerequisite: Cosmetology I, 500 Clock**

Hours

Fire Science

Statewide Program of Study

Offered at:
Industrial Trades Center



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

Secondary Courses for High School Credit

Level 1

- Principles of Fire Academy

Level 2

- Medical Terminology (Dual Credit)

Level 3

- Firefighter I

Level 4

- Firefighter II (Dual Credit)

AND

- Fire Academy Practicum (Dual Credit)

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

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

Work-Based Learning Activities

- Volunteer at a hospital or a fire station

Industry-Based Certifications

- Basic Structure Fire Protection
- CPR

Postsecondary Opportunities

Associates Degrees

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

Bachelor's Degrees

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



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Firefighters	\$64,283	2,309	13%
Fire Inspectors and Investigators	\$54,787	161	14%
Emergency Medical Technicians	\$34,091	1,880	31%

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

Fire Science

Course Information

Level 1

7900 Principles of Law, Public Safety, Corrections, and Security (Fire Academy) (Grades 9; 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.

Level 2

7901 Medical Terminology (Fire Academy) (Grades 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. **This is a Dual Credit Course.**

Level 3

7902 Firefighter I (Grades 11; 2 Credits) *New for 25-26 School Year

Service ID 13029900

Firefighter I introduces students to firefighter safety and development. Students will analyze Texas Commission on Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protective equipment, and the principles of fire safety. **This is Dual Credit Course. Prerequisite: 7901 Dual Credit Medical Terminology**

Level 4

7903 Firefighter II (Grade 12; 3 Credits) *New for 26-27 School Year

Service ID 13030000

Co-requisite: Practicum in Law, Public Safety, Corrections, and Security (Fire Academy) (Grade 12; 3 Credits)

Firefighter II is the second course in a series for students studying firefighter safety and development. Students will understand Texas Commission on Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protective equipment, and the principles of fire safety. Students will demonstrate proper use of fire extinguishers, ground ladders, fire hoses, and water supply apparatus systems. **This is a Dual Credit Course. Prerequisite: Firefighter I**

7904 Practicum in Law, Public Safety, Corrections, and Security (Fire Academy) (Grade 12; 2 Credits) *New for 26-27 School Year

Service ID 13030100

Co-requisite: Firefighter II (Grade 12; 3 Credits)

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. **This is a Dual Credit Course. Prerequisite: Firefighter I**

Law Enforcement

Statewide Program of Study

Offered at:
LMHS and TCHS



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.

Secondary Courses for High School Credit

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)

Postsecondary Opportunities

Associates Degrees

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

Bachelor's Degrees

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

Master's, Doctoral, and Professional Degrees

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

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

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

Work-Based Learning Activities

- Attend court hearings and other legal procedures

Industry-Based Certifications

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



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Police and Sheriff's Patrol Officers	\$60,112	5,241	13%
Probation Officers and Correctional Treatment Officers	\$44,054	793	9%
Correctional Officers and Jailers	\$40,186	4,683	9%
Immigration and Customs Inspectors	\$78,104	1,236	9%
First-Line Supervisors of Police and Detectives	\$91,312	253	25%

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

Law Enforcement

Course Information

Level 1

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.

Level 2

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.

Prerequisite: Principles of Law, Public Safety, Corrections & Security

Level 3

7836 Law Enforcement II (Grades 11-12; 1 Credit) 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. **Prerequisite: Law Enforcement I**

Level 4

7837 Practicum in Law, Public Safety, Corrections, and Security (Grades 11-12; 2 Credits) (Required)

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. **Prerequisite: Law Enforcement II**

7828 Forensic Science (Grades 11-12; 1 Credit) (Recommended)

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. **Prerequisite: Biology and Chemistry**

Welding

Statewide Program of Study

Offered at:
Industrial Trades Center



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.

Secondary Courses for High School Credit

Level 1

- Business Information Management I

Level 2

- Introduction to Welding

Level 3

- Welding I

Level 4

- Welding II

Work-Based Learning and Expanded Learning Opportunities

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

Industry-Based Certifications

- AWS D1.1 Structural Steel
- NCCER Core
- Forklift Operator
- CPR
- TWIC Card

Postsecondary Opportunities

Associates Degrees

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

Bachelor's Degrees

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

Master's, Doctoral, and Professional Degrees

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



Aligned Occupations

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

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

Welding

Course Information

Level 1

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.

Level 2

7813 Intro to Welding (Grades 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. **Mandatory drug testing.**

Level 3

7785 Welding I (Grades 11; 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. **Mandatory drug testing.**

Prerequisite: Intro to Welding

Level 4

7799 Welding II (Grade 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. **Mandatory drug testing.**

Prerequisite: Welding I

Engineering Foundations

Statewide Program of Study

Offered at:
TCHS



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.

Secondary Courses for High School Credit

Level 1

- Principles of Applied Engineering

Level 2

- Engineering Design and Presentation I

Level 3

- Engineering Design and Presentation II

Level 4

- Practicum in STEM

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in Skills USA competitions

Work-Based Learning Activities

- Intern at an engineering firm
- Shadow a machinist

Industry-Based Certifications

- Autodesk Associate (Certified User) Fusion 360
- Autodesk Certified Professional Fusion 360
- Autodesk Certified User- Inventor
- SolidWorks



Postsecondary Opportunities

Associates Degrees

- Electrical and Electronics Engineering
- Drafting and Design Technology/ Technician, General
- Engineering Technology

Bachelor's Degrees

- Electrical and Electronics Engineering
- CAD/CADD Drafting and/or Design Technology/ Technician
- Bioengineering and Biomedical Engineering
- Construction Engineering Technology/ Technician

Master's, Doctoral, and Professional Degrees

- Electrical and Electronics Engineering
- Mechanical Engineering
- Bioengineering and Biomedical Engineering

Aligned Occupations

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%

Successful completion of the Engineering program of study will fulfill requirements of the Business and Industry or STEM endorsement if the math and science requirements are met. Revised – October 2022

Engineering Foundations

Course Information

Level 1

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.

Level 2

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. **Prerequisite: Principles of Applied Engineering and Algebra I**

Level 3

7825 Engineering Design and Presentation II (Grade 11; 2 Credits)

Service ID 13036600

Engineering Design and Presentation II is a continuation of knowledge and skills learned in Engineering Design and Presentation I. 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. Emphasis will be placed on using skills from ideation through prototyping. **Prerequisite: Engineering Design and Presentation I**

Level 4

7822 Practicum in STEM (Grade 12; 2 Credits)

Service ID 13037400

This is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Engineering courses. The course is highly customizable to meet local system needs: instruction may be delivered through school laboratory training or through work-based learning arrangements such as internships, cooperative education, service learning, mentoring, and job shadowing. Upon completion of the practicum, students will be prepared for postsecondary study in engineering and technology fields. **Prerequisite: Engineering Design and Presentation II**

Robotics

Statewide Program of Study

Offered at:
LMHS and TCHS



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.

Secondary Courses for High School Credit

Level 1

- Principles of Applied Engineering

Level 2

- Engineering Design and Presentation I

Level 3

- Robotics I
- AND
- Robotics II

Level 4

- Practicum in STEM

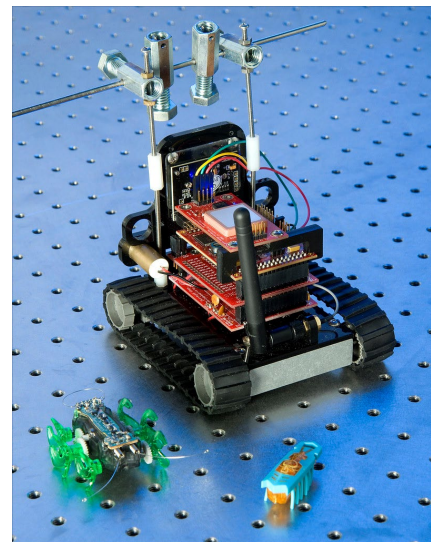
Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
------------------------	--------------------------------

- | | |
|--|---|
| <ul style="list-style-type: none"> Participate in Skills USA competitions | <ul style="list-style-type: none"> Intern at an engineering firm Shadow a machinist |
|--|---|

Industry-Based Certifications

- FANUC Robot Operator 1
- Autodesk Associate (Certified User) Fusion 360
- Autodesk Certified User- Inventor
- Energy Technology Foundations
- SolidWorks



Postsecondary Opportunities

Associates Degrees

- Electrical and Electronics Engineering
- Drafting and Design Technology/ Technician, General
- Engineering Technology

Bachelor's Degrees

- Electrical and Electronics Engineering
- CAD/CADD Drafting and/or Design Technology/ Technician
- Bioengineering and Biomedical Engineering
- Construction Engineering Technology/ Technician

Master's, Doctoral, and Professional Degrees

- Electrical and Electronics Engineering
- Mechanical Engineering
- Bioengineering and Biomedical Engineering

Aligned Occupations

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%

Successful completion of the Engineering program of study will fulfill requirements of the Business and Industry or STEM endorsement if the math and science requirements are met. Revised – October 2022

Robotics

Course Information

Level 1

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.

Level 2

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. **Prerequisite: Principles of Applied Engineering and Algebra I**

Level 3

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 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. Prerequisite: Engineering Design and Presentation I**

Level 4

7819 Practicum in STEM (Grade 12; 2 Credits)

Service ID 13037400

This is a capstone course intended to provide students with the opportunity to apply the skills and knowledge learned in previous Engineering and Robotics courses. The course is highly customizable to meet local system needs: instruction may be delivered through school laboratory training or through work-based learning arrangements such as internships, cooperative education, service learning, mentoring, and job shadowing. Upon completion of the practicum, students will be prepared for postsecondary study in engineering and robotics fields. **Weighted points will be awarded. Prerequisite: Engineering Design and Presentation II**

Maritime

Regional Program of Study

Offered at:
Industrial Trades Center



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.

Secondary Courses for High School Credit

Level 1

- Principles of Maritime Science

Level 2

- Maritime Science I
AND
- Introduction to Shipboard Engineering

Level 3

- Maritime Science II
AND
- Advanced Shipboard Engineering

Level 4

- Practicum in Distribution and Logistics

Postsecondary Opportunities

Associates Degrees

- Captains, Mates, and Pilots

Bachelor's Degrees

- Marine Transportation
- Transportation, Storage, and Distribution Management

Master's, Doctoral, and Professional Degrees

- Maritime Resources Management
- Maritime Administration and Logistics

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in SkillsUSA

Work-Based Learning Activities

- Participate in a maritime apprenticeship or internship
- Work part-time at a shipping company

Industry-Based Certifications

- Certified Logistics Technician
- Texas Parks and Wildlife Boater License
- Forklift Operator
- CPR
- TWIC- Merchant Mariner



Aligned Occupations

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%

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

Maritime

Course Information

Level 1

7783 Principles of Maritime Science (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.**

Level 2

7784 Maritime Science I (Grades 11-12; 1 Credit)

Service ID N1304662

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.**

Prerequisite: Principles of Maritime Science

7861 Introduction to Shipboard Engineering (Grades 10-12; 1 Credit)

Service ID N1304666

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. Prerequisite: Principles of Maritime Science**

Level 3

7884 Maritime Science II (Grades 11-12; 1 Credit)

Service ID N1304663

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. Prerequisite: Maritime Science I and Introduction to Shipboard Engineering**

7862 Advanced Shipboard Engineering (Grades 11-12; 1 Credit)

Service ID N1304667

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. Prerequisite: Maritime Science I and Introduction to Shipboard Engineering**

Level 4

7885 Practicum in Distribution and Logistics (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. Prerequisite: Maritime Science II and Advanced Shipboard Engineering**



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, illness, 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; however, 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 ISD does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Mr. Marcus Higgs, Director of Human Resources, at the TCISD Administration Building, 1700 Ninth Avenue North, Texas City, TX 77590, (409) 916-0107.

TCISD El Publico Notifcation en la Carrera y la

Educacion de Programas de Tecnologias

Texas City ISD no discrimina por motivos de raza, color, origen nacional, sexo, discapacidad o edad en sus programas o actividades y brinda igualdad de acceso a los Boy Scouts y otros grupos juveniles designados. La siguiente persona ha sido designada para manejar consultas sobre las políticas de no discriminación: Mr. Marcus Higgs, Director de Recursos Humanos, en TCISD Administration Building, 1700 Ninth Avenue North, Texas City, TX 77590, (409) 916-0107.