

High School Course Selection Guide



**TOMBALL MEMORIAL
HIGH SCHOOL**



**TOMBALL
HIGH SCHOOL**

**For all students beginning with
the 2015-2016 School Year.**

Tomball ISD
High School Course Offerings
Table of Contents

Tomball ISD Discrimination Policy	1
Tomball ISD High School Course Offerings	1
End of Course Requirements	1
Graduation Requirements (Minimal, Recommended, Distinguished)	2
Graduation Requirements (Foundation, Endorsements, Acknowledgments)	3
Courses of Study	
English Language Arts and English As A Second Language	4-11
Mathematics	12-16
Science	17-21
Social Studies	22-26
Career and Technical Education, JROTC	27-42
Fine Arts	43-51
Health, Physical Education, PE Substitutes, Cheerleading, Athletics	52-55
Languages Other Than English	56-60
Technology Applications	61-62
Special Education	63-64
Other Programs	65
Independent Study	
Student Leadership	
Local Credits	
Off Campus Physical Education	
Useful Information	
Grade Point Average (GPA), Rank In Class (RIC)	66
Quality Points	66
Transfer GPA Policy	67
Advanced Placement (AP)	67
Schedule Changes	68
Credit by Examination	68
Electronic Course Offerings	68
Examination for Acceleration	68
Gifted and Talented Program	69
Senior Release	69
Appendix	
Dual Credit – Tomball Campus, Frequently Asked Questions	70-73
Dual Credit Courses Warning	73
Exceptional College Admissions Requirements	74
Quality Point Chart	75
Advanced Classes Identified for No Pass, No Play Exemptions	76
Academic Letter Guidelines	77
Distance Learning	78-87

Tomball ISD Discrimination Policy

The Tomball Independent School District does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs, activities, and or employment practices.

For information about your rights or grievance procedures, contact the Title IX Coordinator, Mr. Chris Trotter, at 310 South Cherry, Tomball, TX 77375-5595, (281)357-3100, Ext. 2077 and or the Section 504 Coordinator, Ms. Heather Nichols, 1302 Keefer Street, Tomball, TX 77375-5595, (218)357-3140.

El Distrito Escolar Independiente de Tomball no discrimina por motivos de raza, color, origen nacional, sexo, impedimento o edad en sus programas, actividades, y/o en sus procedimientos de empleo.

Para informacion sobre sus derechos o procedimientos para quejas, comuniquese con la Coordinadora de Titulo IX, Mr. Chris Trotter, en 310 South Cherry, Tomball Texas 77375-5595, (281) 357-3100 Ext. 2077, y/o la coordinadora de la seccion 504, Ms. Heather Nichols, en 1302 Keefer Street, Tomball Texas 77375-5595, (218) 357-3140.

Tomball ISD High School Course Offerings

The purpose of the Course Offerings Guide is to present a brief description of the courses offered at Tomball ISD High Schools. It is updated as often as necessary to address curriculum changes and evolving student needs. The Course Offerings Guide is designed to assist students and parents in planning their high school course of study by providing information on graduation requirements and credit options. Students and parents are encouraged to consult their guidance counselor to answer questions or concerns regarding their high school plan. **However, the responsibility to insure that all graduation credits are met rests with the student and their parent or guardian.**

The State of Texas requires students to choose between the Recommended and Distinguished Programs which encompass different course selections. Check degree plans carefully for the number of credits required to graduate. Special circumstances may dictate the necessity for a Minimum Program or IEP. Students will only be placed on the Minimum Program after careful consideration by a committee, and IEP is only available through ARD placement. Please see your counselor with any questions regarding degree plans.

The course offerings provide for a solid base of academic study and allow sufficient flexibility for students to choose electives based on their interests. Students should carefully consider all course options in making their decisions. Group advisements and orientations are conducted for students during the school year for the students to select their courses.

Tomball ISD End of Course Graduation Requirements

Beginning with students who enter grade 9 in the 2011-2012 school year, EOC assessments are administered for the following courses: English I, English II, Algebra I, Biology, and United States History. Each student will be required to achieve certain scores on the applicable EOC assessments to graduate. A student who has not achieved sufficient scores on the EOC assessments to graduate will have opportunities to retake the assessments.

Tomball ISD High School Graduation Requirements For Students Who Entered High School in 2013-2014 and Before

Courses	Minimum	Recommended	Distinguished
<u>English Language Arts</u>	4 Credits: English I*, II*, III, IV <i>*ESOL I & II may be substituted for English I & II</i>	4 Credits: English I*, II*, III, IV <i>*ESOL I & II may be substituted for English I & II</i>	4 Credits: English I*, II*, III, IV <i>*ESOL I & II may be substituted for English I & II</i>
<u>Mathematics</u>	3 Credits: Algebra I, Geometry, and Math Models with Applications or Algebra II	4 Credits: Algebra I, Geometry, Algebra II, and: Precalculus, College Prep Math, Ind Study College Algebra, Statistics, or Calculus (Math Models if completed before Algebra II)	4 Credits: Algebra I, Geometry, Algebra II, and: Precalculus, College Prep Math, Independent Study College Algebra, Statistics, or Calculus
<u>Science</u>	Minimum 2 Credits to include: Biology Integrated Physics & Chemistry* <i>*May substitute Chemistry or Physics for IPC but must use the other as academic elective credit.</i>	4 Credits to include: Biology, Chemistry, Physics, and: Aquatic Sci, Earth & Space Sci, Env. Systems, AP or DC Biology, AP or DC Chemistry, AP Physics, AP Env. Science, Ind. Study in Sci, Anat. & Physiology, Adv. Animal Sci, or Forensic Sci (IPC if before Chem & Physics)	4 Credits to include: Biology, Chemistry, Physics, and: Aquatic Sci, Earth & Space Sci, Env. Systems, AP or DC Biology, AP or DC Chemistry, AP Physics, AP Env Sci, Ind. Study in Sci, Anat. & Physiology, Adv. Animal Sci, Forensic Sci
<u>Social Studies Economics</u>	Minimum 3 Credits must consist of: World Geography or History, US History, US Government (0.5 credit), Economics (0.5 credit)	4 Credits must consist of: World Geography, World History, US History, US Government (0.5 credit), Economics (0.5 credit)	4 Credits must consist of: World Geography, World History, US History, US Government (0.5 credit), Economics (0.5 credit)
<u>Languages Other Than English</u>	No Requirement	2 Credits in the same language: French I, II or German I, II or Spanish I, II	3 Credits in the same language: French I, II, III or German I, II, III or Spanish I, II, III
<u>Academic Elective</u>	1 Credit selected from either: World History, World Geography, or any approved Science Course	No Requirement	No Requirement
<u>Physical Education, PE Substitutes, Cheerleading, Athletics</u>	1.5 Credits to include (1 credit for freshmen entering HS after 2012/13): PE, Athletics, Cheerleading, JROTC, Drill Team, Dance, Marching Band, Off Campus PE	1.5 Credits to include (1 credit for freshmen entering HS after 2012/13): PE, Athletics, Cheerleading, JROTC, Drill Team, Dance, Marching Band, Off Campus PE	1.5 Credits to include (1 credit for freshmen entering HS after 2012/13): PE, Athletics, Cheerleading, JROTC, Drill Team, Dance, Marching Band, Off Campus PE
<u>Health</u>	0.5 Credit from Health, or Principles of Health Sci.	0.5 Credit from Health, or Principles of Health Sci.	0.5 Credit from Health, or Principles of Health Sci.
<u>Fine Arts</u>	1 Credit from any of the following: Art I, Choir, Dance, Music, Theatre, Floral Design (CTE)	1 Credit from any of the following: Art I, Choir, Dance, Music, Theatre, Floral Design (CTE)	1 Credit from any of the following: Art I, Choir, Dance, Music, Theatre, Floral Design (CTE)
<u>Speech</u>	0.5 Credit from any of the following: Communication Applications, Prof. Communications, or Teen Leadership	0.5 Credit from any of the following: Communication Applications, Prof. Communications, or Teen Leadership	0.5 Credit from any of the following: Communication Applications, Prof. Communications, or Teen Leadership
<u>Technology Applications</u>	1 Credit selected from either: BIM I, Computer Sci I, AP Computer Sci, Newspaper I, or Yearbook I (not required for freshmen entering HS after 2012/13)	1 Credit selected from either: BIM I, Computer Sci I, AP Computer Sci, Newspaper I, or Yearbook I (not required for freshmen entering HS after 2012/13)	1 Credit selected from either: BIM I, Computer Sci I, AP Computer Sci, Newspaper I, or Yearbook I (not required for freshmen entering HS after 2012/13)
<u>Electives, CTE</u>	4.5 Credits from any SBOE course not included in the above courses used to satisfy the required credits for graduation. (6 credits for freshmen entering HS in 2013/2014 and after)	3.5 Credits from any SBOE course not included in the above courses used to satisfy the required credits for graduation. (5 credits for freshmen entering HS in 2013/2014 and after)	2.5 Credits from any SBOE course not included in the above courses used to satisfy the required credits for graduation. (4 credits for freshmen entering HS in 2013/2014 and after)
<u>Advanced Measures</u>	No Requirement	No Requirement	4 Advanced Measures <ul style="list-style-type: none"> a grade of 3.0 or higher on courses that count for college credit a score of 3 or higher on College Board AP tests A PSAT score that qualifies the student for recognition by the National Merit Scholarship Corp.. Original Research and/or project-Independent Study (Maximum 2)
Total Credits	22	26	26

Tomball ISD High School Graduation Requirements
For Students Who Enter High School in 2014-2015 and Afterwards
(Available for those entering high school in 2011-2012 and Afterwards)

Foundation High School Program*	Endorsements	Performance Acknowledgements
<p>Subject/Courses Credits</p> <p>English. 4.0 English I English II English III English IV, Debate III, Newspaper III, Yearbook III, or Advanced Integrated Reading and Writing</p> <p>Mathematics. 3.0 Algebra I Geometry Algebra II, Math Models, Precalculus, Statistics, Calculus, AP Computer Science, College Prep Math, or I. S. College Algebra</p> <p>Science 3.0 Biology IPC, Chemistry, or Physics Chemistry, Physics, Aquatic Science, Environmental Systems, Environmental Science, Anatomy and Physiology, Forensic Science, Advanced Animal Science</p> <p>Social Studies. 3.0 U. S. History (1) Government (.5) Economics (.5) World Geography or World History (1)</p> <p>Foreign Language (same language) 2.0 Or Computer Programming (by 9/1/2016)</p> <p>Physical Education. 1.0</p> <p>Fine Arts. 1.0 Art, Dance, Music, Theatre, or Floral Design</p> <p>Communications Applications (local). . . . 0.5</p> <p>Health (local) 0.5</p> <p>Additional Electives. 4.0</p> <p>Endorsement Courses. 4.0</p> <p>Total Credits. 26.0</p> <p>*Distinguished Level requires an endorsement and Algebra II, and is required for Top 10% and automatic college admissions.</p>	<ul style="list-style-type: none"> • A fourth credit in Mathematics (Algebra II required for STEM and Distinguished) • A fourth credit in Science or an approved Arts and Humanities substitute course • Two additional electives for a total of 26 credits <p>Science/Technology/Engineering/Mathematics</p> <ul style="list-style-type: none"> • Algebra II, Chemistry, and Physics and <ul style="list-style-type: none"> ◦ 4 coherent CTE STEM Credits or ◦ 4 coherent Computer Science Courses or ◦ 2 additional Adv. Mathematics Courses or ◦ 2 additional Science Courses or ◦ A sequence of 3 credits from groups above <p>Business and Industry</p> <ul style="list-style-type: none"> • Career and Technical Education – 4 credits Agriculture, Architecture and Construction, Business Management and Administration, Finance, Manufacturing, or Marketing or • English –4 elective credits, 3 levels in same area Debate, Newspaper, or Yearbook or • A sequence of 4 credits from groups above <p>Public Services</p> <ul style="list-style-type: none"> • Career and Technical Education – 4 credits <ul style="list-style-type: none"> ◦ Education and Training or ◦ Health Science or • 4 courses in JROTC <p>Arts and Humanities</p> <ul style="list-style-type: none"> • Social Studies – 5 credits • Foreign Languages – 4 levels of same language or 2 levels of 2 languages • Fine Arts – 4 credits from 1 or 2 disciplines <p>Multidisciplinary</p> <ul style="list-style-type: none"> • 4 Advanced Courses for workforce or postsecondary education or • 4 credits in each of the four core, including English IV, Chemistry and/or Physics or • 4 credits in AP or DC from the core, Foreign Languages, or Fine Arts <p>Distinguished Level of Achievement A student must complete the Foundation program, one endorsement, 4 mathematics credits including Algebra II, and 4 science credits.</p>	<ul style="list-style-type: none"> • For 12 hours of dual credit with a 3.0 grade equivalent or • A score of 3 or more on an AP Exam • An associate degree while in high school or • Outstanding performance in bilingualism and biliteracy <ul style="list-style-type: none"> ◦ 80 in all required English courses and <ul style="list-style-type: none"> ▪ 80 on 3 levels of other language or ▪ 80 on level 4 or higher of other language or ▪ 80 on 3 credits of foundation subject area courses or ▪ Score 3 on AP language exam or ▪ Score at least Intermediate High on a national assessment for other language and ◦ Exit an ESL program and score at the Advanced High on TELPAS • Outstanding performance on PSAT®, SAT®, or ACT-PLAN®, ACT® by <ul style="list-style-type: none"> ◦ PSAT/NMSQT® commended scholar or ◦ College readiness score on ACT-PLAN® or ◦ Composite ACT® score of 28 or ◦ Reading + Math score of 1250 on the SAT® or • Nationally recognized industry certification score or credential to practice a profession

English Language Arts and English As A Second Language

Return to [Graduation Requirements](#)

Return to [Table of Contents](#)

Other Language Arts Courses: [Journalism](#) [Reading](#) [Other Electives](#) [Speech & Debate](#)

English I (ENG1000)

Grade Placement: 9 **Credit: 1 unit**

This course emphasizes reading, writing, listening, speaking, viewing, and representing as per the Texas Essential Knowledge and Skills. Students write a variety of short and long compositions stressing sound ideas, good organization, individual voice, powerful words, smooth fluency, and correct conventions. Literature selections include short stories, poems, novels, nonfiction pieces, epic poetry, and drama.

English I PAP (ENG1020Q)

Grade Placement: 9 **Credit: 1 unit**

This course addresses all Texas Essential Knowledge and Skills, with an added emphasis on preparing students for the AP curriculum and college level courses. Literature study focuses on classic novels, drama, epic poetry, short stories, poetry, and nonfiction pieces. The reading requirement is stringent and advanced, including between eight and ten major works. Writing includes a variety of both short and long compositions, including formal literary analysis and research. A summer reading assignment and/or project is required. It is each student's responsibility to obtain and complete the assignment.

English II (ENG2000)

Grade Placement: 10 **Credit: 1 unit** **Prerequisites: English I**

This survey course emphasizes a thematic approach to the various genres of literature, including the short story, novel, drama, poetry and nonfiction. Students gain experience in all modes of writing through the writing process which includes: prewriting, drafting, revising, proofreading, and producing a final product. Oral and written assignments prepare students to master the STAAR EOC test as well as skills useful in the work environment.

English II PAP (ENG2020Q)

Grade Placement: 10 **Credit: 1 unit** **Prerequisites: English I PreAP**

This class prepares students for the English Language and English Literature AP preparatory courses offered at the 11th and 12th grade. The reading requirements are both stringent and advanced. Through reading classic and contemporary literature, writing, listening, and speaking, students will analyze authors' purposes and elements of style. Research skills are strongly emphasized at this level. After registration for this course, students are responsible for obtaining the instructions for the summer reading assignment and/or project. A summer reading assignment and/or project is required. It is each student's responsibility to obtain and complete the assignment.

English III (ENG3000)

Grade Placement: 11**Credit: 1 unit****Prerequisites: English II**

This course surveys American literature, focusing on literary analysis and understanding of historical background. Students will read and study non-fiction, novels, poetry, short stories, and modern drama. This skills course, based on the TEKS (Texas Essential Knowledge and Skills) and STAAR EOC objectives, will focus on critical reading, writing in a variety of modes for a variety of purposes, vocabulary study, research skills (including a research paper), and speaking and listening.

AP English III [AP English Language and Composition] (ENG3030P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 11**Credit: 1 unit****Prerequisites: English II PreAP**

This course in English Language and Composition, extending beyond the traditional high school curriculum, leads students to become skilled readers of prose written in a variety of periods, disciplines, and contexts. Emphasis is on American literature and on writing critical and stylistic analyses. Major components of the course include ten to fifteen major literary works, vocabulary study, and a literary research report. A summer reading assignment is required. It is each student's responsibility to obtain and complete the assignment.

English III Language and Composition Dual Credit (ENG3040D)

Grade Placement: 11**Credit: 1 unit****Prerequisites: English II or English II PreAP****College Credit: 6 hours****AND enrollment in Lone Star College-Tomball**

Students enrolled in these college equivalent courses, English 1301 and English 1302, must meet early college admissions requirements. The major focus of this class will be on composition and rhetoric. Emphasis will be placed on language study, mechanics of writing, essay composition and critical analysis of literature. The class includes researched papers and final exams. A summer reading assignment and/or project is required. It is each student's responsibility to obtain and complete the assignment. **This course must be taken at the High School campus.**

English IV Equivalent – Advanced Integrated Reading and Writing (ENG4100)

Grade Placement: 12**Credit: 1 unit****Pre-Requisites: English III,
Teacher/Counselor Approval**

Students enrolled in this course must meet specific college admissions requirements. Counselors will provide specific information to course candidates. This course is designed to develop students' critical reading and academic writing skills. The focus of the course will be on applying critical reading skills for organizing, analyzing, and retaining material and developing written work appropriate to the audience, purpose, situation, and length of the assignment. The course integrates preparation in basic academic reading skills with basic writing skills in writing a variety of academic essays. This course fulfills the requirement of English IV and with a designated level of performance also fulfills the TSI requirements for reading and writing as determined by Lone Star College (English 1309). This course must be taken at the high school campus.

English IV (ENG4000)

Grade Placement: 12**Credit: 1 unit****Prerequisites: English III**

This course provides intensive instruction in the more advanced forms of writing, to sustain the previous emphasis upon the composing process, and to refine the students' literary skills and knowledge base in British literature. Each unit fuses language, literature and composition components. Major works will include at least one selection from each literary era. Students write a college application essay as well as complete a research paper with full documentation. Additionally, the students engage in novel reading emphasizing skills in listening, speaking, and writing.

AP English IV [AP English Literature and Composition] (ENG4030P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 12**Credit: 1 unit****Prerequisites: Recommended English III AP/DC**

English IV-AP focuses on preparing students for the Advanced Placement Literature Exam. This course allows students to sharpen their awareness of language and their understanding of the writer's craft by close reading and interpretive analysis of literary works from Britain and around the world. Through speaking, listening, reading, and writing students should become more aware of the resources of language: connotation, metaphor, irony, syntax, and tone. The reading load is heavy and the literature is complex. A summer reading assignment and/or project is required. It is each student's responsibility to obtain and complete the assignment.

English IV Language and Composition Dual Credit (ENG4140D1)

Grade Placement: 12**Credit: 1 unit****Prerequisites: English III AND enrollment****College Credit: 6 hours in Lone Star College-Tomball**

Students enrolled in these college equivalent courses, English 1301 and English 1302, must meet early college admissions requirements. The major focus of this class will be on composition and rhetoric. Emphasis will be placed on language study, mechanics of writing, essay composition and critical analysis of literature. The class includes researched papers and final exams. A summer reading assignment and/or project is required. It is each student's responsibility to obtain and complete the assignment. **This course must be taken at the High School campus. Students who took English III Language and Composition are not eligible for this course.**

English IV Literature and Composition Dual Credit (ENG4040D2)

Grade Placement: 12**Credit: 1 unit****Prerequisites: Successful completion of****College Credit: 6 hours****English Language and Composition Dual Credit AND enrollment in Lone Star College-Tomball**

This course is the college equivalent of English 2332 and English 2333. English 2332 will study the masterpieces of world literature from ancient times to the Renaissance. English 2333 will study the masterpieces of world literature from the neo-classical times to the modern age. A summer reading assignment and/or project is required. It is each student's responsibility to obtain and complete the assignment. **This course must be taken at the High School campus.**

English I & II for Speakers of Other Languages

[Return to Graduation Requirements](#)

[Return to Table of Contents](#)

Grade Placement: 9-12

Credit: 1-2 units

Prerequisites: Immigrant student, or student born in the USA, whose first language is not English and possessing limited English proficiency as determined by state approved language assessments.

This course is designed for immigrant students with limited English proficiency. An immigrant is defined as a person, not born in the United States, who comes to the USA to take up permanent residence. Immigrant students who complete English I for Speakers of Other Languages and English II for Speakers of Other Languages receive credit for high school graduation. Students born in the USA whose first language is not English and who meet the eligibility requirements as determined by state approved language assessments receive local credit only. *See the counselor for further information.*

English for Newcomers A, B

Grade Placement: 9-12

Credit: 1-2 units

Prerequisites: ESL Student

Students will build their English language listening, speaking, reading, and writing skills. Interaction in the classroom through activities such as cooperative learning, thematic units, student oral / visual presentations, vocabulary logs, learning logs, literature discussion, and writing activities are part of the instructional design for this course. Preparation to master the TEKS or ESOL I (which are identical to TEKS for non-LEP students enrolled in English I) is a major goal. Students will gradually learn literary analysis and writing skills through frequent reading, meaningful lessons, and process writing. Students learn and practice applying effective learning strategies, such as note-taking, study skills, and the identification and use of cognates.

Methodology for Academic and Personal Success (MAPS)

Grade Placement: 9-12

Credit: 1 unit

Prerequisites: ESL Student

This 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. After identifying their individual learning styles and abilities, students will build on these abilities by developing critical time management, organization and study skills. The course focuses on self-understanding, decision-making, resiliency, attitude, character education, and leadership to help students maximize personal achievement. Students will develop the specific strategies necessary to achieve their personal and professional goals. The course emphasizes proactive problem solving, self-determination, and independent thinking and learning skills. In addition, students will explore and experience collaboration as a tool for creative problem solving. As part of the goal setting and leadership activities, students may complete an outside community service learning experience in addition to class assignments.

English I – IV Modified

Grade Placement: 9-12

Credit: 1-4 units

Prerequisites: An IEP will be determined by the ARD committee. Progress will be determined by objectives on the IEP.

This course emphasizes the improvement of reading, writing, speaking, and listening skills through instruction in vocabulary development, grammar, paragraph/essay writing, and comprehension skills as designated in the student's IEP. As appropriate, the students are exposed to literature presented in general education classes. Adapted textbooks, novels, the internet, and multimedia are utilized to improve the students' skills.

Journalism

Journalism I (JRN1000)

Grade Placement: 9-12 Credit: 1 unit Prerequisites: Strong English Skills Recommended

This foundation course provides students with knowledge and skills to be effectively used later in either the newspaper production or yearbook production course. Journalism includes the study of historical aspects of American Journalism as well as the contemporary role of mass media. Students learn fact-gathering and interviewing skills and study current trends in graphic design and advertising. Journalism I is a writing course in which students focus on writing news and feature stories as well as editorials, columns, and other forms of opinion writing, using various computer programs. Students are provided opportunities to contribute to student publications on a regular basis. This class is required for students interested in applying for Newspaper I the following year. There is a \$10 nonrefundable fee to cover material costs.

Advanced Journalism - Newspaper Production I (JRN1100)

**Grade Placement: 10-12 Credit: 1 unit Prerequisites: Journalism for staff members or
(Satisfies Tech Apps credit) Photojournalism for photographers, Sponsor Approval**

This course allows students to work in all phases of newspaper production: interviewing, writing, editing and designing pages. They will also design and sell advertising (major grade) for each edition of the newspaper. Strong emphasis is placed on writing. Interpretive reporting is emphasized, and a study of libel is undertaken. Students will become proficient in the use of software programs including, but not limited to, Microsoft Word, Photoshop, and Adobe InDesign. Every four weeks at deadlines, students will be expected to work after school several days for about two hours.

Advanced Journalism – Newspaper Production II (JRN1200)

Grade Placement: 11-12 Credit: 1 unit Prerequisites: Newspaper I, Sponsor Approval

This course provides further opportunities to practice the journalistic skills learned in the first two years. In addition, students will guide the second-year students in their assumption of production responsibility. While students in this course hold key positions on the school newspaper staff, strong emphasis is placed on individual development in journalistic writing and publications skills. Students will be required to design and sell advertising (major grade) for each edition of the newspaper. Every four weeks at deadlines, students will be expected to work after school several days for about two hours.

Advanced Journalism – Newspaper Production III (JRN1300)

Grade Placement: 12 Credit: 1 unit Prerequisites: Newspaper II, Sponsor Approval

This fourth-year course further refines and develops students' journalistic skills as they continue to function in key positions and guide the development of less-experienced editors. Emphasis will be placed on individual writing projects for outside publications and on research into various aspects of the media with a focus on career planning. Students will be required to design and sell advertising for each edition of the newspaper. Students will be expected to work after the normal school day every four weeks at deadlines.

Advanced Journalism – Yearbook Production I (JRN2100)

Yearbook Production II (JRN2200)

Grade Placement: 9-12 **Credit:** 1-2 units **Prerequisites:** • Journalism I for editor positions
(Yearbook Production I satisfies Tech Apps credit) • Editor must attend summer yearbook camp
• Photojournalism for photography and head photographer positions
• Sponsor approval and application form

This course teaches the elements and processes of magazine journalism with emphasis on the production of the school yearbook. Effective graphic design and good copywriting are emphasized as students undertake an intensive study of trends in contemporary yearbooks and magazines. Students also learn about advertising sales and design as they plan and implement an advertising campaign to defray costs of production. This course affords an overview of advertising, graphic design, copywriting, and publishing techniques and terminology. Strong emphasis is placed on writing, responsibility and a commitment to producing a high-quality publication within time and budget constraints. Software programs utilized will be Microsoft Word, Photoshop, and Adobe InDesign. Students will be required to design and sell advertising (major grade), yearbooks, and distribute books after school. As necessary, students will be expected to stay after school to meet deadlines.

Advanced Journalism – Yearbook Production III (JRN2300)

Grade Placement: 12 **Credit:** 1 unit **Prerequisites:** Yearbook II, Sponsor Approval

This course further refines and develops journalistic skills as students function in key positions on the yearbook staff. Students will use their knowledge of graphic design and copywriting to plan and produce a yearbook, utilizing specific software programs. The students will also develop a budget for the publication, implement circulation and advertising campaigns, and complete the book within budget limits and by the deadline. Students will be required to design and sell advertising, yearbooks, and distribute books after school. As necessary, students will be expected to stay after school to meet deadlines.

Photojournalism (JRN1007)

Grade Placement: 9-12 **Credit:** 0.5 units **Prerequisites:** Sponsor Approval

This course teaches basic photography skills using digital cameras and develops competency in taking and editing digital news and feature photos for publications. Photo composition and technical aspects of photography will be studied, as well as software for editing the photos. Students will learn to edit, crop, resize, and print photos for publication. Each student must provide their own digital camera, which must be able to take photos of a resolution of 300 dpi or greater. Cell phone cameras are not acceptable. This class is designed for students wanting to go on to the yearbook or newspaper staffs as a photographer. There is a \$25 non-refundable fee for photographic supplies each semester. Students will be required to attend events outside of the normal school day to take photos.

Advanced Broadcast Journalism (JRN3000)

Grade Placement: 9-12 **Credit:** 0.5 units

Students will learn, through a variety of video production experiences, the power of the medium, examine issues of fairness and objectivity, make critical thinking decisions on a regular basis, and gain an overall understanding of modern news-gathering techniques. These students will produce videos such as documentaries, student announcements for the school, live webcasts of events (sports, graduation and others) and document the school year in video. There will be \$20 class fee to buy equipment and for repairs.

Reading

Reading I, II, III

Grade Placement: 9-12 Credit: 1-3 units Prerequisite: (Appointment Only)

This course is designed to remediate reading skills. Opportunities are provided for students to develop skills in word attack, vocabulary development, comprehension, critical reading, and reading skills applied to practical situations.

Reading I, II, III for Speakers of Other Languages

(Reading I & II blocked with English I & II for Speakers of Other Languages)

Grade Placement: 9-11 Credit: 1-3 units Prerequisite: (Appointment Only)

This course is designed for LEP students meeting the eligibility requirements as determined by state approved language assessments who need to acquire English reading skills. It begins with the phonic sounds and continues to grade level vocabulary and comprehension skills.

Language Arts Electives

Return to [English Language Arts](#)

Creative Writing (LAE0003)

Grade Placement: 9-12 Credit: 0.5 units

Creative Writing is a rigorous composition course that allows students to develop versatility in various forms of fictional writing using the recursive writing process. Students will explore a variety of writing forms: essay, short stories, poetry and drama while effectively applying the conventions and mechanics of writing. In addition to evaluating their own original works, students will analyze models of well known published authors in order to develop their own personal style and voice. The course culminates with publication of a literary magazine that meets interscholastic standards.

The Bible in History and Literature (LAE0005)

Grade Placement: 10-12 Credit: 0.5 units

This course is designed to teach the Bible with primary emphasis on the text in order to:

1. Equip the student with a fundamental understanding of the important literary forms contained in the Bible as well as people and symbols often referred to in literature, art and music;
2. Equip the student with a fundamental understanding of the influence of the Bible on history, law, American community life and culture;
3. Give insight into the world views of America's Founding Fathers and to understand the Biblical influences on their views on human rights;
4. Provide a greater knowledge of Middle-Eastern history, geography, religion and politics;
5. Inform students of the importance of religion in world and national history, without imposing the doctrine of any particular religious sect.

Speech and Debate

(Also see [Professional Communications](#))

Communication Applications (COM0007)

Grade Placement: 9-12 Credit: 0.5 units (Satisfies State Speech Graduation Requirement)

Students will learn communication theory and have the opportunity to develop skills through practical applications with the emphasis of developing every day skills for both professional and social communication. Concepts covered include self-concept, perception, verbal and nonverbal communications, conversational etiquette, with emphasis on listening skills, leadership skills, job interviewing, group communication, and informative and persuasive public speaking.

Debate I (COM1005)

Grade Placement: 9-12 Credit: 0.5 units

This introductory public speaking course emphasizes debate, research, and argumentation. It is a course for academically capable students who wish to gather material through research and to organize that information into debate briefs for the purpose of building both affirmative and negative cases. ***This elective course does not satisfy the speech requirement mandated by the state.***

Debate II-IV (COM2000, COM3000, COM4000)

Grade Placement: 10-12 Credit: 1-3 units Prerequisites: Debate I

This course is a continuation of Debate I with emphasis upon refining the skill of writing debate briefs and competing as a member of the Interscholastic Speech and Debate Team. The purpose of this class is to learn the art of competitive speaking. The course will also include Extemporaneous Speaking and Oratorical speaking and writing. Since this course provides training for interscholastic competition, concentrating on intensive practice, criticism, and self-evaluation. Due to the fact that this course requires interscholastic competition on Fridays and Saturdays, only students who will commit to tournament participation should consider this course. ***This elective course does not satisfy the speech requirement mandated by the state.***

Teen Leadership (LDR1107)

Grade Placement: 9-12 Credit: 0.5 units (Satisfies Communications Applications credit)

This course develops business, professional, and leadership skills. Students learn the importance of principle-centered living, how to handle peer pressure, communicating effectively, building meaningful relationships, making responsible decisions, and the importance of goals. This course is designed for students to work with classmates, faculty, and the community to learn to become Leaders of the Future.

Mathematics

[Return to Graduation Requirements](#)

[Return to Table of Contents](#)

Possible Mathematics Course Sequences				
9 th Grade	10 th Grade	11 th Grade	12 th Grade	Continuing Ed
Algebra I	Geometry	Math Models	Algebra II	2 year university
Algebra I	Geometry	Math Models/ Algebra II	College Algebra DC or College Prep Math	2 year university
Algebra I	Geometry	Algebra II	Precalculus or Probability & Statistics*	2 or 4 year university
Algebra I	Geometry PAP	Algebra II PAP	Precalculus PAP	4 year university
Geometry PAP	Algebra II PAP	Precalculus PAP	AP Calculus AB/BC or AP Statistics or Statistics DC	4 year university/ Graduate Studies
Algebra II PAP	Precalculus PAP	AP Calculus AB/BC or AP Statistics		

***Only students who have verified that they will not have to take calculus in college should take this path.**

Algebra I (MTH1000)

Grade Placement: 9-12 Credit: 1 unit

Algebra I is required by the state and includes instruction in the following standards: algebraic thinking, symbolic reasoning and functions; concepts and skills involving operations with and properties of real numbers; linear equations and inequalities in two variables; concepts and skills associated with rational expressions; and concepts and skills associated with quadratic equations.

Algebra I Modified

Grade Placement: 9-12 Credit: 1 unit

Prerequisites: An IEP will be determined by the ARD committee. Progress will be determined by objectives on the IEP.

This one year course is for students who are not able to master the TEKS of a general education Algebra I class, without modifications and supports. Content includes: Algebraic thinking, symbolic reasoning and functions; concepts and skills involving operations with and properties of real numbers; linear equations and inequalities in two variables; concepts and skills associated with rational expressions; and concepts and skills associated with quadratic equations.

Seminar in Mathematics

Grade Placement: 10-12 Credit: .5-1 unit Prerequisites: Counselor Placement LOCAL CREDIT ONLY pending TAKS Exit Level Math score

This class is designed to help students achieve a passing grade on the TAKS exit level Math test, which is required by the state for graduation. This course will help students to understand written descriptions of mathematical applications and solve them through reasoning and algebraic representation. **Students will be enrolled in this class if they have not passed the 11th grade TAKS Exit exam.**

Mathematical Models With Applications (MTH2100)

Grade Placement: 10-11 Credit: 1 unit Prerequisites: Algebra I, Geometry, or concurrent Geometry

Mathematical Models is a course intended to reinforce, broaden, and extend the mathematical knowledge and skills acquired in Algebra I. Through hands-on activities, Models builds on the mathematical background of students yet stretches their knowledge toward topics covered in Geometry and Algebra II. It provides an opportunity to study in science, business, finance, art and music. Students will have access to various types of technology including graphing calculators, data-collection devices, spreadsheets, and dynamic geometry software. This course is designed for the student who needs additional experience after Algebra I and Geometry. This course is not intended for students who have successfully completed Algebra II. Math Models should not be considered a college prep course.

Mathematical Models With Applications Modified

Grade Placement: 10-12 Credit: 1 unit Prerequisites: Algebra I, An IEP will be determined by the ARD committee. Progress will be determined by objectives on the IEP.

This one year course is for students who are not able to master the TEKS of a general education Mathematical Models with Applications class, without modifications and supports. The course continues to strengthen the students' algebra skills through real life applications. Modified textbooks and materials, the Internet, manipulatives, calculators, and multimedia are utilized to support the students' understanding of the content.

Geometry (MTH2000)

Grade Placement: 9-12 Credit: 1 unit Prerequisites: Algebra I

Geometry is the study of logic. It includes instruction in the following strands: geometric thinking and spatial reasoning, figures and their properties, and relationships between geometry and other mathematics.

Geometry PAP (MTH2020Q)

Grade Placement: 9-12 Credit: 1 unit Prerequisites: Algebra I

A rigorous course of study, based on the postulates and theorems of Euclid, Geometry PreAP is designed to prepare students for a continued study of mathematics leading to preparation for the AP examination in Calculus. Through intense study of logic the student will gain a foundation for advanced mathematics.

Geometry Modified

Grade Placement: 10-12 Credit: 1 unit

Prerequisites: Algebra I, An IEP will be determined by the ARD committee. Progress will be determined by objectives on the IEP.

This one year course is for students who are not able to master the TEKS of a general education Geometry class, without modifications and supports. Specific topics addressed are measurement, (including circumference, perimeter, area, and volume), transformations, properties of geometric figures and shapes, constructions, and coordinate geometry. Modified textbooks and materials, graphing calculators, manipulatives, the Internet, and multimedia are utilized to support the students' understanding of the content.

Algebra II (MTH3000)

Grade Placement: 10-12 Credit: 1 unit

Prerequisites: Algebra I, Geometry, or concurrent Geometry

This course places emphasis on the formal structure of mathematics, providing a foundation for college Algebra or high school Pre-Calculus. The course presents the following topics: concepts and skills associated with open sentences, properties of relations and functions, the complex number system, polynomials and rational expressions, properties of points and planes in space.

Algebra II PAP (MTH3020Q)

Grade Placement: 10-11 Credit: 1 unit

Prerequisites: Algebra I, Geometry, (PreAP recommended)

This rigorous course requires mastery of all Algebra II concepts as well as some additional material toward the end of the course. *It is highly recommended that the student have a strong background in Algebra I skills.* This course will be a foundation for subsequent AP mathematical courses.

College Prep Math (MTH3100)

Grade Placement: 12

Credit: 1 unit

Prerequisites: Completed Algebra II

The first semester of this course includes topics in algebraic operations, elementary equations, laws of integer exponents, factoring and radical notation, rational expressions and the Cartesian coordinate system. The second semester includes topics in quadratic equations, radical expressions, graphing linear equations and inequalities in two variables, radical and rational exponent expressions, complex numbers, functional notation, and higher degree polynomials. Successful completion of this course should prepare the student for enrollment in College Algebra.

College Prep Math Modified

Grade Placement: 12

Credit: 1 unit

Prerequisites: An IEP will be determined by the ARD committee.

The first semester of this course includes topics in algebraic operations, elementary equations, laws of integer exponents, factoring and radical notation, rational expressions and the Cartesian coordinate system. The second semester includes topics in quadratic equations, radical expressions, graphing linear equations and inequalities in two variables, radical and rational exponent expressions, complex numbers, functional notation, and higher degree polynomials. This course is designed to better prepare students for entry level college math courses.

Independent Study College Algebra/Dual Credit (MTH4140D)

**Grade Placement: 12 Credit: 1 unit Prerequisites: Algebra II AND enrollment in
College Credit: 3 hours Lone Star College-Tomball**

Topics include absolute value equations and inequalities, graphing skills, inverse functions, logarithmic and exponential functions, polynomial and rational functions, piecewise-defined functions, theory of linear and non-linear equations and systems of equations and applications. **This course must be taken at the High School campus.**

Precalculus (MTH4000)

Grade Placement: 10-12 Credit: 1 unit Prerequisites: Algebra II

This course is designed to build and extend algebra skills while introducing concepts in the following topics: real numbers, trigonometric, logarithmic, exponential, polynomial functions and their graphs, sequences and series, parametric equations and vectors. It will provide the bridge for students who wish to continue preparing for college but at a less rigorous pace than Pre-Calculus PreAP.

Precalculus PAP (MTH4020Q)

Grade Placement: 10-12 Credit: 1 unit Prerequisites: Algebra II

This rigorous course is designed to prepare the foundation for Calculus AP. It provides instruction in the following topics: real numbers, trigonometric functions and their graphs. The study of functions is extended to include polynomial, rational, exponential, polar and logarithmic functions, and sequences and series. The course also includes the study of vectors, elementary analysis and presents introductory concepts of limits.

AP Calculus AB (MTH5030P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 11-12 Credit: 1 unit Prerequisites: Precalculus

This course delivers the objectives of the AB Calculus AP course over two semesters. The goal of this course is to prepare students for success on the AP exam. The main topics include limits, continuity, derivatives, applications of the derivative, integration and applications of the definite integral.

Calculus I AB Dual Credit (MTH5040D)

**Grade Placement: 11-12 Credit: 1 unit Prerequisites: Precalculus AND enrollment in
College Credit: 4 hours Lone Star College-Tomball during the second semester
for Dual Credit Students**

This course is the college equivalent of the Math 2413 course over two semesters. The main topics include functions, limits, continuity, differentiation and integration of algebraic and trigonometric functions, applications of differentiation and an introduction to applications of the definite integral. **This course must be taken at the High School campus.**

AP Calculus BC (MTH5130P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 12 Credit: 0.5-1 unit Prerequisites: Precalculus, PreAP recommended

This course delivers the objectives of the BC Calculus AP course over two semesters. The rapid pace is suitable for the most able and dedicated students. The goal of this course is to prepare students for success on the AP exam. The main topics include limits, continuity, derivatives, applications of the derivative, integration, applications of the definite integral, techniques of integration, transcendental functions, parametric equations, vectors, polar equations and series. Students who have previously enrolled/earned credit in AB Calculus AP or AB Calculus/Calculus I Dual Credit will receive a pass/fail grade for the first semester of BC Calculus AP.

Calculus I and II BC Dual Credit (MTH5140D)

**Grade Placement: 12 Credit: .5-1 unit Prerequisites: Precalculus AND enrollment in
College Credit: 8 hours Lone Star College-Tomball for Dual Credit Students**

This course is the college equivalent of the Math 2413 and Math 2414 courses over two semesters. The main topics include functions, limits, continuity, differentiation and integration of algebraic and trigonometric functions, applications of differentiation, applications of the definite integral, differentiation and integration of exponential and logarithmic functions, techniques of integration, the calculus of transcendental functions, parametric equations, polar coordinates, indeterminate forms, improper integrals, L'Hospital's Rule, sequences, and series. Students who have previously enrolled/earned credit in AB Calculus AP or AB Calculus/Calculus I Dual Credit will receive a pass/fail grade for the first semester of BC Calculus/Calculus II Dual Credit. **This course must be taken at the High School campus.**

Probability and Statistics (MTH4100)

Grade Placement: 11-12 Credit: 1 unit Prerequisites: Algebra II

This Algebra based course is an introduction to Probability and Statistics. While not as rigorous a course as Statistics AP, it will provide the student a chance to build algebra skills in the statistical setting. Most of the same topics and themes will be discussed as in the Statistics AP course. This course is not a prerequisite of AP Statistics.

AP Statistics (MTH5230P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 11-12 Credit: 1 unit Prerequisites: Algebra II, Precalculus

This course will introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. The four major themes are: exploratory analysis, planning a study, probability, and statistical inference. This course will also include a rigorous preparation for the Advanced Placement exam in the spring.

Statistics Dual Credit (MTH5240D)

**Grade Placement: 11-12 Credit: 1 unit Prerequisites: Precalculus AND enrollment in Lone
College Credit: 3 hours Star College-Tomball 2nd semester for Dual Credit**

Statistics Dual Credit is an introduction to basic statistical terminology, descriptive statistics, including organization, measure and display of data, and inferential statistics, including confidence intervals, hypothesis tests and linear regression. Applications in economics, business, medicine, science, education and philosophy are studied. **This course must be taken at the High School campus.**

Science

Return to [Graduation Requirements](#)

Return to [Table of Contents](#)

Science Courses: [Biology](#) [Chemistry](#) [Physics](#) [Other Sciences](#)

Biology (SCI1000)

Grade Placement: 9-12 **Credit: 1 unit**

This laboratory-oriented course is designed to introduce students to a wide variety of living organisms and interactions in nature. Topics for study include: life processes, the structure and function of cells, microscope and laboratory skills, the structure and function of plants, microbiology, genetics, environmental issues, the animal kingdom and human systems. Individual projects are an integral part of this course.

Biology PAP (SCI1020Q)

Grade Placement: 9-12 **Credit: 1 unit**

This laboratory-oriented course is designed for students who intend to enter a career in the sciences and plan to take AP classes. This rigorous course in biology will emphasize the biochemical processes of life, molecular and classical genetics, cell biology, and all kingdoms of Life including physiology of plants and animals.

Biology Modified

Grade Placement: 9-12 **Credit: 1 unit**

Prerequisites: An IEP will be determined by the ARD committee. Progress will be determined by objectives on the IEP.

This one year course is for students who are not able to master the TEKS of a general education Biology class, without modifications and supports. The students study living things and how they relate to one another. Specific topics include life and the cell, simple organisms, genetics, plants, animals, humans, and ecology. Modified textbooks, materials, the Internet, and labs are utilized to support the students' understanding of the content.

AP Biology (SCI5030P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 11-12 **Credit: 1.5 unit** **Prerequisites: Biology, Chemistry**

This laboratory-oriented course includes the study of basic concepts and principles of specific life processes. Designed to be the equivalent of the general biology course taken during the first college year this course will stress the following components: 1) the process of change over time drives diversity and unity of life; 2) biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis; 3) living systems store, retrieve, transmit, and respond to information essential to life processes; and 4) biological systems interact, and these systems and their interactions possess complex properties. There are several learning objectives for each of these components and at least two inquiry-based labs for each component that allow the students to develop their reasoning skills. This includes designing a plan to collect data, analyzing that data and applying math applications, and connecting concepts within and across domains.

Biology Dual Credit (SCI5040D)

Grade Placement: 11-12 Credit: 1 unit
College Credit: 8 hours

**Prerequisites: Biology, Chemistry AND enrollment in
Lone Star College-Tomball**

This is a hybrid (in class and online) college course requiring approximately 1.5 hours of online work per week. It consists of two parts:

1. A contemporary course including applications of the scientific method, cellular and molecular biology, biochemistry, classical and human genetics, virology and mechanisms of evolution.
2. This course is a continuation of Biology I. It includes a detailed phylogenetic survey of the major kingdoms. This includes a comparison of the systems of different organisms. Ecological roles and relationships, as well as behavior of organisms, will be integrated throughout.

Anatomy and Physiology of Human Systems (CTE Course) (SCI4100)

Grade Placement: 11-12 Credit: 1 unit Prerequisites: Biology, Chemistry

This introductory course investigates the structures and functions of the components of the human body. The course presents investigation of the specialization of cells, how cells function cooperatively as tissue and organs, and the interrelationships of systems that result in a living organism. The course offers students opportunities to investigate anatomical structures and regulatory mechanisms that influence how systems function.

Anatomy and Physiology of Human Systems PAP (CTE Course) (SCI4120Q)

Grade Placement: 11-12 Credit: 1 unit Prerequisites: Biology, Chemistry

This laboratory-oriented course investigates the structures and functions of the components of the human body. The course presents investigation of the specialization of cells, how cells function cooperatively as tissue and organs, and the interrelationships of systems that result in a living organism. The course offers students opportunities to investigate anatomical structures and regulatory mechanisms that influence how body systems function. This honors level course is designed to build a knowledge base for those students who wish to pursue a career in the medical field.

Anatomy and Physiology of Human Systems Dual Credit (CTE Course) (SCI4140D)

Grade Placement: 11-12 Credit: 1 unit
College Credit: 4 hours

**Prerequisites: Biology, Chemistry AND enrollment in
Lone Star College-Tomball during the second
semester for Dual Credit Students**

This laboratory-oriented course investigates the structures and functions of the components of the human body. The course presents investigation of the specialization of cells, how cells function cooperatively as tissue and organs, and the interrelationships of systems that result in a living organism. The course offers students opportunities to investigate anatomical structures and regulatory mechanisms that influence how systems function. This college level course is designed to build a knowledge base for those students who wish to pursue a career in the medical and health fields. **This course must be taken at the High School campus.**

Integrated Physics and Chemistry (SCI1100)

Grade Placement: 10-12 Credit: 1 unit Prerequisites: Algebra I, or Algebra I concurrently

This course is designed to acquaint the student with the basic concepts and processes of physics and chemistry: scientific method, measurement, forces, work, energy, heat, light, electricity and magnetism properties of matter, atoms, atomic structure, compounds, chemical formulas, solutions, acids and bases.

Integrated Physics and Chemistry Modified

Grade Placement: 10-12 Credit: 1 unit Prerequisites: ARD/IEP Placement

This one year course is for students who are not able to master the TEKS of the general education Integrated Physics and Chemistry class, without modifications and supports. Specific topics include the scientific method, measurement, motion, forces, energy, heat, light, electricity, magnetism, and properties of matter, especially as they relate to everyday life. Modified textbooks, materials, the internet and hands-on activities are utilized to support the students' understanding of the content.

Chemistry (SCI3000)

Grade Placement: 10-12 Credit: 1 unit Prerequisites: Biology, Algebra I

This course is a study of matter, its structure and reactions. Topics of study include organization and composition of matter, measurement and fundamental units, structure of the atom, periodic law, formulas and equations, chemical and physical interactions, the gas laws, molecular structure, acid-base reactions, and a survey of chemical families.

Chemistry PAP (SCI3020Q)

Grade Placement: 10-12 Credit: 1 unit Prerequisites: Biology PreAP recommended, Algebra II or concurrent enrollment in Algebra II

This is designed for students planning to take Chemistry AP and intending to enter a career in medicine, chemistry, or chemical engineering. Students are expected to complete homework assignments daily and have strong study skills. Mathematical applications and logical thinking skills are stressed throughout the course.

AP Chemistry II [AP Chemistry] (SCI5130P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 11-12 Credit: 1.5 unit Prerequisites: Chemistry PreAP recommended, Algebra II

This laboratory-oriented course is the equivalent of the general chemistry course usually taken during the first college year. The student will deal with chemical problems in the areas of thermodynamics, quantum mechanics, bonding, electrochemistry, equilibria, and kinetics. The qualitative and quantitative laboratory investigations require critical thinking skills, well-developed laboratory skills, and the use of sophisticated laboratory equipment and instrumentation.

Chemistry Dual Credit (SCI5140D)

**Grade Placement: 11-12 Credit: 1 unit Prerequisites: Chemistry AND enrollment in
College Credit: 4 hours Lone Star College-Tomball**

Topics include a mathematical introduction, discussion of atoms, molecules, and ions, stoichiometry, electronic structure, periodic relationships, bonding, molecular geometries and properties of gases, liquids, solids, and solutions. Appropriate lab experiments are included. **This course must be taken at the High School campus.**

Physics (SCI4000)

Grade Placement: 10-12 Credit: 1 unit

Prerequisites: Algebra II or concurrent enrollment in Precalculus

This course allows students to conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. The variety of topics include: laws of motion, changes within physical systems and conservation of energy and momentum, force, thermodynamics, and characteristics and behavior of waves.

AP Physics I (SCI5430P)

Grade Placement: 10-12 Credit: 1 unit

Prerequisites: Precalculus or concurrent enrollment

This is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves, electric circuits, and sound. Teacher will supplement the course with additional topics to include all state required standards including introductions to optics, magnetism, nuclear, quantum and thermodynamics. Instructional time devoted to laboratory investigations is 25 percent. The investigations will emphasize student-centered, inquiry instruction and learning.

AP Physics II (SCI5530P)

Grade Placement: 10-12 Credit: 1 unit

Prerequisites: AP Physics I or PreAP Physics

This course is equivalent to a second-semester college course in algebra-based physics. AP Physics 2 focuses on the big ideas in an introductory college-level physics sequence and provides students with enduring, conceptual understanding of foundational physics principles. Students will spend less time on mathematical routines and more time engaged in inquiry-based learning of essential concepts to develop critical thinking and reasoning skills. Topics included are fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. Instructional time devoted to laboratory investigations is 25 percent. The investigations will emphasize student-centered, inquiry instruction and learning.

AP Physics B (SCI5230P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 11-12 Credit: 1 unit

Prerequisites: Physics

AP Physics “B” is a non-calculus-based survey course that includes topics in mechanics, electricity, magnetism, fluid mechanics, thermal physics, waves, optics, atomic and nuclear physics. The “B” level corresponds to the college courses typically taken by biology, pre-medicine, biochemistry, and other life science majors.

AP Physics C: Electricity and Magnetism /Mechanics (SCI5330P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 12 Credit: 1 unit

Prerequisites: Completion of Physics or Physics PreAP; Completion of or concurrent enrollment in AB Calculus AP or AB Calculus I Dual Credit

AP Physics “C” is a calculus-based physics course that covers mechanics during the first semester and classical electricity and magnetism during the spring semester. Calculus is used throughout the course to develop principles and solve problems. Physics C is designed for engineering and science majors.

Aquatic Science (SCI6100)**Grade Placement: 11-12 Credit: 1 unit Prerequisites: Biology, and IPC or Chemistry**

This is a field investigation and lab-oriented course. This course includes the studies of the physical, chemical, geological, and biological species of freshwater and marine habitats. Topics include components of the aquatic ecosystem, cycles within the aquatic environment, adaptations of aquatic organisms, and environmental issue associated with aquatic ecosystems and water quality. Students will be asked to use their critical and higher level thinking skills to examine, evaluate, and resolve (sometimes controversial) topics associated with aquatic environments. **The field investigations are paid for by the students.**

Environmental Systems (SCI6500)**Grade Placement: 11-12 Credit: 1 unit Prerequisites: Biology, and IPC or Chemistry**

This course integrates the sciences of ecology, geology, atmospheric science, biology, chemistry, economics and ethics to study environmental problems. Topics include conservation of natural resources, population growth, alternate energy sources, renewable resources, pollution, indigenous plant and animal species habitat and biome characteristics, recycling, and endangered species.

Environmental Systems Modified**Grade Placement: 11-12 Credit: 1 unit Prerequisites: ARD/IEP Placement**

This one year course is for students who are not able to master the TEKS of the general education Environmental Systems class without modifications and supports. This course integrates the sciences of ecology, geology, atmospheric science, biology, chemistry, economics and ethics to study environmental problems. Topics include conservation of natural resources, population growth, alternate energy sources, renewable resources, pollution, indigenous plant and animal species habitat and biome characteristics, recycling, and endangered species.

Forensic Science (CTE Course) (SCI6300)**Grade Placement: 11-12 Credit: 1 unit Prerequisites: Biology, Chemistry**

Forensic science is an applied science designed to challenge students with topics such as fingerprinting, DNA analysis, blood typing and spattering, trajectories, ballistics, entomology, comparative anatomy, and chemical analysis of drugs, poisons and trace evidence, and the dynamics of Physics. Students will learn about careers involved with Forensic Science as well as how to process a crime scene. Research is an integral part of this course.

AP Environmental Science (SCI6530P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 11-12 Credit: 1 unit Prerequisites: Biology and Chemistry

This course is designed to be the equivalent of a one-semester introductory college course in environmental science. Unlike most other AP science courses, AP Environmental Science offers a wide variety of subjects, including biology, geology, environmental science, chemistry and geography. This is a rigorous science course that emphasizes scientific principles and analysis including a laboratory component, and also emphasizes the study of environmental issues from a political and sociological perspective.

Seminar in Science (Research/Design)**Placement: 10-12 Credit: 0.5 - 1 unit Prerequisites: Counselor placement**

This laboratory-based course utilizes science process skills to present essential concepts and content in the areas of biology, chemistry, and physics. Through active learning experiences students will formulate hypothesis, analyze research, develop and implement investigative design, collect and organize data, synthesize and clearly communicate valid conclusions.

Social Studies

Return to [Graduation Requirements](#)

Return to [Table of Contents](#)

Social Studies Courses: [World Studies](#), [United States Studies](#), [Economics](#), [Social Sciences](#), [Special Topics](#)

World Studies

World Geography Studies (HIS1000)

Grade Placement: 9-12 Credit: 1 unit

World Geography includes the following essential elements: nature of geography, physical setting of earth, interaction of the physical environment, and urban analysis. In addition to providing insight into the contemporary scene throughout the globe, this course involves the students in such topics as: comparison of physical and cultural geography, major natural resources of the world, physical forces that alter the features of the earth, environmental impact on the life of a region, population patterns, densities and movements, energy sources, and patterns of urban growth. Internet access is used occasionally on projects.

World Geography Studies PAP (HIS1020Q)

Grade Placement: 9-12 Credit: 1 unit

World Geography PreAP is a one-year course designed for the advanced student. The course will encompass research, essay writing, outside readings selected by the teacher, and presentations in groups as well as individual projects. World Geography PreAP is a physical and cultural approach to the study of geography. Internet access is used occasionally on projects.

World Geography Studies Modified

Grade Placement: 9-12 Credit: 1 unit

Prerequisites: An IEP will be determined by the ARD committee. Progress will be determined by objectives on the IEP.

This one year course is for students who are not able to master the TEKS of a general education World Geography class without modifications and supports. The students study the nature of geography, physical setting of the earth, interaction of the physical environment, and urban growth in the major regions of the contemporary world. Modified textbooks and materials, and multimedia, are utilized to support the students' understanding of the content.

World History Studies (HIS2000)

Grade Placement: 10-12 Credit: 1 unit

World History is an overview of the social, economic and political conditions of the ancient, medieval, and modern world. Topics of study include: development of early civilizations, historical development of other regions, geographic influences on world history and events of the twentieth century. Current world affairs are discussed to enable students to be familiar with contemporary problems. Occasional Internet access is utilized.

AP World History (HIS2030P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 10-12 Credit: 1 unit

This advanced course in World History is designed to give students an overview of the social, economic and political conditions of the ancient, medieval and modern world. Emphasis is placed on the development of research and critical thinking skills. Requirements include research, outside reading and essay examinations. Course content is structured around the investigation of 5 course themes and 19 key concepts in 6 different chronological periods from approximately 8000 B.C.F. to the present.

World History Studies Modified

Grade Placement: 10-12 Credit: 1 unit

Prerequisites: An IEP will be determined by the ARD committee. Progress will be determined by objectives on the IEP.

This one year course is for students who are not able to master the TEKS of a general education World History Studies class without modifications and supports. The course is an overview of the social, economic, and political conditions of the ancient, medieval, and modern world. Modified textbooks and materials are utilized to support the students' understanding of the content.

AP European History (HIS2130P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 11-12 Credit: 1 unit

This college level course introduces students to the cultural, economic, political and social developments in European history since 1450. It provides the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. The goals of the course are to develop (a) an understanding of some of the principal themes in modern European history, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing.

United States Studies

United States History (HIS3000)

Grade Placement: 11-12 Credit: 1 unit

United States History (from Civil War to the present) includes instruction focused on the following topics: emergence of the United States as a world power, geographic influences on the historical development of the United States, economic, social, cultural, and political development of the United States and a review of United States history prior to the Civil War.

United States History Modified

Grade Placement: 11-12 Credit: 1 unit

Prerequisites: An IEP will be determined by the ARD committee. Progress will be determined by objectives on the IEP.

This one year course is for students who are not able to master the TEKS of a general education United States History class without modifications and supports. The students study the history of our country from the Civil War up to the present. Modified textbooks, materials, and multimedia are utilized to support the students' understanding of the content.

United States History Dual Credit (HIS3040D)

Grade Placement: 11-12 Credit: 1 unit
College Credit: 6 hours

Prerequisites: U.S. History AND enrollment in
Lone Star College-Tomball for Dual Credit

Students enrolled in this college equivalent course 1301, 1302 must meet early college requirements and must register at the college twice; once each semester. The course begins with early native civilizations and concludes at the year 2000. Reading and essay writing are major components of this course, and successful students will spend substantial amounts of time reading the texts outside class. Students receiving a semester grade of 75 or better earn college credit if recognized by the universities of choice. (see [Dual Credit – Tomball Campus FAQ](#)) **This course must be taken at the High School campus.**

AP United States History (HIS3030P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 11-12 Credit: 1 unit

United States History AP is a one year course which begins with Pre-Columbian societies and ends with the present. The student in United States History AP will follow the course outline of topics defined by the College Board, with emphasis placed on critical reading and writing to prepare for the AP exam in the spring. Students can expect 5 hours per week of reading. Regular use of the Internet is helpful.

United States Government (HIS4005)

Grade Placement: 12 Credit: 0.5 units Prerequisites: U.S. History

This course is a study of the Federal System and includes the following essential elements: foundations of the United States political system, development of the United States governmental systems, participation and decision making in civil affairs.

United States Government Dual Credit (HIS4045D)

Grade Placement: 12 Credit: 0.5 units Prerequisites: U.S. History and College Credit: 3 hours Enrollment in Lone Star College-Tomball for Dual Credit

This course provides an opportunity to study the foundation of the United States political system, to analyze political institutions, processes, and values of the system, to trace the development of the United States governmental system. Students are enrolled in the college equivalent course Government 2302. **This course must be taken at the High School campus.**

AP United States Government and Politics (HIS4035P)

College Credit is achieved by AP testing and individual college approval

All students enrolled are expected to take the AP Exam

Grade Placement: 12 Credit: 0.5 units Prerequisites: U.S. History

This course provides an opportunity to study the foundation of the United States political system, to analyze political institutions, processes, and values of the system, and to trace the development of the United States governmental system. Students can gain college credit only by excelling on the year-end exam offered by the College Board. Students may benefit from purchasing the AP test prep book. **This course must be taken at the High School campus.**

United States Government Modified

Grade Placement: 12 Credit: 0.5 unit Prerequisites: An IEP will be determined by the ARD committee. Progress will be determined by objectives on the IEP.

This one semester course is for students who are exempt from Social Studies TAKS and not able to master the TEKS of a general education Government class without modifications and supports. The course focuses on the origins, structure, and functions of government, and the political process at the local, state and national levels. Modified textbooks and materials are utilized to support the students' understanding of the content.

Economics ((HIS4006))**Grade Placement: 11-12 Credit: 0.5 units**

Economics with emphasis on the free enterprise system and its benefits, includes a study of the following essential elements: American free enterprise system, government in the American free enterprise system, the Federal Reserve, American economic system and international economic relations, and consumer economics. The course applies theories of supply and demand, capitalism and trade policy to the American capitalist system as it is related to the Free Enterprise System. The students are also exposed to personal financial literacy. The economics course includes a unit on investment options and risk. Nominal fee for stock market game required.

AP Macroeconomics (HIS4036P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 12 Credit: 0.5 units

The purpose of an advanced placement course in macroeconomics is to give students a thorough understanding of the principles of economics that apply to the economy as a whole. The student will focus on the determinants of total national income, aggregate consumption and investment, and overall level of prices. Examples of topics to be covered are economic indicators, aggregate supply and demand, the role of government in the United States economy, money and banking, and international trade. This course is presented as a college course. Students are required to take the AP exam. The final is a mock AP exam. It is recommended that students purchase an AP Economics test prep guide.

Economics Modified**Grade Placement: 12****Credit: 0.5 units**

Prerequisites: An IEP will be determined by the ARD committee. Progress will be determined by objectives on the IEP.

This one semester course is for students who are exempt from Social Studies TAKS and not able to master the TEKS of a general education Economics class without modifications and supports. The students study the American free enterprise system, the American economic system, and consumer economics. Modified textbooks and materials are utilized to support the students' understanding of the content.

Social Sciences

Sociology (PSY1006)

Grade Placement: 11-12 Credit: 0.5 units

This course provides an introduction to sociology as a social science concerned with the systematic study of human society, major social processes and institutions, consideration of individuals, groups, relationships, and social problems as a sociological phenomenon.

Psychology (PSY1005)

Grade Placement: 11-12 Credit: 0.5 units

The student will learn about small groups, moral development, motivation, sensation, perception, behavior, human growth and development, theory and principles, learning and creativity, intelligence and intelligence testing, current thinking in psychology, information processing and problem solving.

AP Psychology (PSY1135P)

College Credit is achieved by AP testing and individual college approval

All students enrolled are expected to take the AP Exam

Grade Placement: 11-12 Credit: 0.5 units

Major areas covered in the advanced placement psychology course include quantitative and qualitative research methods, current approaches and history, biological basis of behavior, sensation and perception, states of consciousness, learning cognition, motivation, emotion, developmental psychology, personality, intelligence and intelligence testing, psychological disorders and treatment, and social psychology. Reading and essay writing are major components of this course. Students are required to purchase an AP Psychology review book of their choice and to take the Advanced Placement exam in Psychology at the end of the year.

Special Topics

World Religion (HIS5006 – First Semester, HIS5008 – Second Semester)

Grade Placement: 11-12 Credit: 0.5 units

This course will provide students the opportunity to develop a greater understanding of the historic, political, economic, geographic, multicultural and social forces that have shaped their lives and the world through religion. Students will use social science knowledge and skills to engage in rational and logical analysis of complex problems using a variety of approaches, while recognizing and appreciating diverse human perspectives of religion. The content will focus, but not limited to, the six primary world religions. These are Christianity, Judaism, Islam, Buddhism, Hinduism and Sikhism.

Current Events (HIS5005 – First Semester, HIS5007 – Second Semester)

Grade Placement: 11-12 Credit: 0.5 units

This course will provide students the opportunity to develop a greater understanding of the historic, political, economic, geographic, multicultural and social forces that have shaped their lives and the world through current issues and events. Students will use social science knowledge and skills to engage in rational and logical analysis of complex problems using a variety of approaches, while recognizing and appreciating diverse human perspectives of current events. The content will focus, but not limited to, the primary issues and events locally, nationally and internationally.

Career and Technical Education

Return to [Graduation Requirements](#)

Return to [Table of Contents](#)

CTE Pathway	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Agriculture, Food, and Natural Resources	Principles of Agriculture	Principles of Ag Ag Mechanics Horticulture Science Agribus Mgmt & Mkt Wildlife Landscape Design Prof Stds in Agribus Prof. Communications Equine Science Floral Design	Ag Facilities Design and Fabrication Practicum in Ag (All courses listed in 9 th and 10 th grades)	Advanced Animal Science (All courses listed in 9 th , 10 th , and 11 th grades)
Architecture and Construction	Principles of Architecture and Construction	Principles of Arch. Interior Design Architectural Design Construction Tech Construction Mgmt	Mill and Cabinetmaking Building Maintenance Advanced Architectural Design (All courses listed in 9 th and 10 th grades)	(All courses listed in 9 th , 10 th , and 11 th grades)
Business Management and Administration	Principles of Business, Marketing, Finance Touch System Data Entry Business Information Management I	Business Information Management II (All courses listed in 9 th grade)	Medical Billing and Coding Business Law Career Prep I (All courses listed in 9 th and 10 th grades)	Career Prep II (All courses listed in 9 th , 10 th , and 11 th grades)
Education and Training/Human Services	Principles of Education & Training Lifetime Nutrition and Wellness Dollars and Sense	Human Growth and Development (All courses listed in 9 th grade)	Instructional Practices in Education & Training (All courses listed in 9 th and 10 th grades)	(All courses listed in 9 th , 10 th , and 11 th grades)
Finance	Principles of Business, Marketing, Finance Money Matters	Accounting I (All courses listed in 9 th grade)	Accounting II (All courses listed in 9 th and 10 th grades)	(All courses listed in 9 th , 10 th , and 11 th grades)
Health Science Technology Education	Medical Terminology Principles of Health Science	Principles of Health Science Medical Terminology	Health Science-Rotations Practicum in Health Sci. (EMT, CphT, CNA, RDA)	(All courses listed in 9 th , 10 th , and 11 th grades)
Information Technology	Business Information Management I	Digital and Interactive Media	(All courses listed in 9 th and 10 th grades)	(All courses listed in 9 th , 10 th , and 11 th grades)
Manufacturing		Welding	Welding Advanced Welding	Welding Advanced Welding
Marketing Education	Principles of Business, Marketing, Finance Advertising and Sales Promotion Sports & Entertainment Mktg	Entrepreneurship (All courses listed in 9 th grade)	Marketing Dynamics (All courses listed in 9 th and 10 th grades)	Practicum in Marketing Dynamics (All courses listed in 9 th , 10 th , and 11 th grades)
Science, Technology, Engineering, and Mathematics	Introduction to Engineering Design	Introduction to Engineering Design		
Junior Reserve Officer Training Corps	JROTC I	JROTC I, II	JROTC I-III	JROTC I-IV

Agriculture, Food, and Natural Resources

All students taking agricultural classes are encouraged to become involved in extracurricular activities such as raising an animal, leadership events, judging events, community service activities, and taking part in the FFA meetings. This participation is **OPTIONAL**. However, if the student would like to reap the above benefits, they must be a FFA member by paying the annual \$15 membership dues.

Principles of Agriculture, Food, and Natural Resources (AGR0000)

Grade Placement: 9-12 Credit: 1 unit

This course is designed to introduce students to agriculture by learning the historical, current, and future significance of agriculture, gaining a knowledge of the animal, plant, food and fiber, mechanic, and business industries of agriculture, analyzing agricultural leadership organizations, and identifying basic concepts related to animals and plants. The course covers soils, plants, animals, agricultural construction, food science, a supervised occupational experience program, and leadership development.

Agricultural Mechanics and Metal Technologies (AGR0300)

Grade Placement: 10-12 Credit: 1 unit Prerequisites: Principles of Agriculture, Food, and Natural Resources

This course develops skills in tool identification and safe use, carpentry, electricity, plumbing, masonry, fence building, painting, metal working, and welding processes. There is a nonrefundable shop fee of \$35 to cover supplies that become student property.

Horticulture Science (AGR1304)

Grade Placement: 10-12 Credit: 0.5 units

Students will learn employable characteristics, technical skills in dealing with plants, the ability to control common pests, and marketing and management skills used in operation of businesses. Students will be able to receive hands-on learning and application through the use of the greenhouse. There is a nonrefundable fee of \$20 to cover supplies that become student property.

Wildlife, Fisheries, and Ecology Management (AGR1303)

Grade Placement: 10-12 Credit: 0.5 units

This course is designed to examine the importance of wildlife and natural resources, including the management of different species of wildlife, habits, habitats, and identification. The course includes the State Mandated Hunter Education Certification, which is achieved by passing the state certification exam and permit fee of \$10 to Parks and Wildlife.

Landscape Design and Turf Grass Management (AGR1403)

Grade Placement: 10-12 Credit: 0.5 units

This is a technical course that prepares students to design, construct, and maintain planted areas and devices for the beautification of home grounds and other areas of human habitation and recreation.

Professional Communications (AGR1709)

Grade Placement: 10-12 Credit: 0.5 units Prerequisites: Principles of Agriculture, and Food, Natural Resources
(Satisfies State Speech Graduation Requirement)

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research. *This course is under the Arts, Audio/Video Technology, and Communications subchapter of CTE but qualifies for FFA participation if taught by a vocational agriculture teacher.*

Equine Science (AGR1207)

Grade Placement: 10-12 Credit: 0.5 units

This technical course develops knowledge and skills pertaining to the selection, nutrition, reproduction, health, and management of horses. There is a nonrefundable fee of \$30 to cover supplies that become student property.

Principles and Elements of Floral Design (AGR1300)

Grade Placement: 10-12 Credit: 1 unit (Satisfies Fine Arts credit)

This course prepares the student for careers in horticultural systems. The students develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. They will identify and demonstrate design principles and techniques in floral art and interiorscapes. It also examines floral design and its relation to contemporary designs, business practices, specialty items, creativity, and careers in the floral industry. Major areas of emphasis in this course include the design and construction of wedding and sympathy arrangements, arrangements for holidays and special occasions, and contemporary and artistic interpretation designs. Related topics include floral business operations and consultations, design techniques, and specialty cut lower identification and classification. Also included are related topics emphasizing safety and career opportunities. There is a nonrefundable fee of \$75 to cover fresh-cut flowers necessary for the flower arrangements and supplies that become student property.

Agricultural Facilities Design and Fabrication (AGR0900)

Grade Placement: 11-12 Credit: 1-2 units Prerequisites: Agricultural Mechanics & Metal Technologies

This course develops skills in metal equipment assembly and joining processes, covering safety, the utilization of tools, equipment, and facilities. There is a nonrefundable shop fee of \$35 to cover supplies that become student property.

Advanced Animal Science (AGR1200)

Grade Placement: 12 Credit: 1 unit Prerequisites: Equine Science (State Suggested)
(Satisfies 4th Science Credit)

This technical course continues the development of knowledge and skills pertaining to the nutrition, reproduction, health, and management of domestic animals. There is a \$35 non-refundable fee for dissection material and specimen.

Architecture and Construction

Principles of Architecture and Construction (ACS0100)

Grade Placement: 9-12 Credit: 1 unit

Principles of Architecture and Construction provide an overview to the various fields of architecture, interior design, construction science, and construction technology. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, educational, and career information to set and achieve realistic career and educational goals. Job-specific, skilled training can be provided through the use of training modules to identify career goals in trade and industry areas. Safety and career opportunities are included, in addition to work ethics and job-related study in the classroom such as communications; problem solving and critical thinking; Information Technology Applications; systems; safety, health, and environmental; leadership and teamwork; ethics and legal responsibilities; employability and career development; technical skills; introduction to hand tools; introduction to power tools; basic rigging; and reading technical drawings. There is a nonrefundable project/lab fee of \$35 to cover supplies that become student property.

Interior Design (ACS2300)

Grade Placement: 10-12 Credit: 1 unit Prerequisites: Algebra I, Principles of Architecture and Construction, or Architectural Design

Interior Design is a technical course that addresses psychological, physiological, and sociological needs of individuals by enhancing the environments in which they live and work. Individuals use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, and compete in industry. There is a nonrefundable supplies fee of \$15 to cover supplies that become student property.

Architectural Design (ACS1000)

Grade Placement: 10-12 Credit: 1 unit Prerequisites: Algebra I, Geometry, and Principles of Architecture and Construction

In Architectural Design, students gain knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Architectural design includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes. There is a nonrefundable fee of \$70 to cover supplies, materials, and/or house model, etc. that become student property.

Construction Technology (ACS2000)

Grade Placement: 10-12 Credit: 1 unit Prerequisites: Principles of Architecture & Construction

In Construction Technology, students gain knowledge and skills specific to those needed to enter the work force as carpenters or building maintenance supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. There is a nonrefundable fee of \$70 to cover supplies, materials, and/or house model, etc. that become student property. This class offers the opportunity for a construction certification recognized by Houston area contractors association. The certification fee is \$15. Certification is optional.

Building Maintenance Technology (ACS2200)

Grade Placement: 11-12 Credit: 1 unit **Prerequisites: Principles of Architecture and Construction**

In Building Maintenance Technology, students gain knowledge and skills specific to those needed to enter the field of building maintenance as a building maintenance technician or supervisor or secure a foundation for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in plumbing, electrical, and Heating, Ventilation, and Air Conditioning (HVAC) systems. Additionally, students learn methods for repair and installation of drywall, roof, and insulation systems. There is a nonrefundable fee of \$70 to cover supplies, materials, and/or house model, etc. that become student property. This class offers the opportunity for a construction certification recognized by Houston area contractors association. The certification fee is \$15. Certification is optional.

Mill and Cabinetmaking Technology (ACS2400)

Grade Placement: 11-12 Credit: 2 units **Prerequisites: Principles of Architecture & Construction**

In Mill and Cabinetmaking Technology, students gain knowledge and skills specific to those needed to enter the work force in the area of mill work and cabinet manufacturing and installation. The student may also apply these skills to professions in carpentry or building maintenance supervision or use the skills as a foundation for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in cabinet design, tool usage, jointing methods, finishes, and numerical and computer control production methods. This class offers the opportunity for a construction certification recognized by Houston area contractors association. The certification fee is \$15. Certification is optional.

Advanced Architectural Design (ACS1100)

Grade Placement: 11-12 Credit: 2 units **Prerequisites: Principles of Architecture & Construction and Architectural Design**

In Advanced Architectural Design, students gain advanced knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Advanced Architectural design includes the advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes. There is a nonrefundable fee of \$70 to cover supplies, materials, and/or house model, etc. that become student property. This class offers the opportunity for a construction certification recognized by Houston area contractors association. The certification fee is \$15. Certification is optional.

Business Management and Administration

Business Professionals of America (BPA) is a local and national organization that offers members the opportunity to develop leadership and business skills associated with career/job preparation and workplace competencies. The mission of BPA is to contribute to the preparation of a world-class workforce through the advancement of leadership, citizenship, academic, and technological skills. Throughout the year, we participate in community service projects, attend leadership conferences, and conduct fundraisers to help raise money for the organization.

Principles of Business, Marketing, and Finance (BUS0004)

Grade Placement: 9-11 Credit: 0.5 units

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. There is a nonrefundable fee of \$10 to cover supplies that become student property.

Touch System Data Entry (BUS0003)

Grade Placement: 9-10 Credit: 0.5 units

Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will need to apply touch system data entry for production of business documents. There is a nonrefundable fee of \$10 to cover computer supplies that become student property.

Business Information Management I (CMP1100)

Grade Placement: 9-12 Credit: 1 unit

Students develop 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, publications, and make an electronic presentation using appropriate software.

Business Information Management I Modified

Grade Placement: 11-12 Credit: 1 unit

Prerequisites: An IEP will be determined by the ARD committee. Progress will be determined by objectives on the IEP.

This is a full year course for students with disabilities who are also placed in Modified ELA. Modified assignments, mastery criteria, and materials may be utilized as students are familiarized with basic terminology, keyboarding, word processing, spreadsheets, presentation software, publications, and internet use. There is a nonrefundable fee of \$20 to cover computer supplies that become student property.

Medical Billing and Coding (BUS1300)

Grade Placement: 11-12 Credit: 1 unit Prerequisites: Medical Terminology, English I, English II, Algebra I

This course is designed to equip each student with the knowledge, technical skills and work habits necessary to excel in the medical billing and coding industry. The MBC program places a strong emphasis on diagnosis and procedure coding as well as the billing process and the importance of professionalism in the workplace. The MBC program facilitates all learning styles utilizing kinesthetic/tactile, visual and audio techniques which include group discussions, projects, interactive games, and computer labs and internet activities. The students are provided the knowledge to pass the national certification.

Business Information Management II (CMP1200)

Grade Placement: 10-12 Credit: 1 unit Prerequisites: Business Information Management I

Students develop personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, publications, and make an electronic presentation using appropriate multimedia software. There is a nonrefundable fee of \$20 to cover computer supplies that become student property.

Business Law (BUS1108)

Grade Placement: 11-12 Credit: 0.5 units

This course introduces law and its origins; develops an understanding of how organization and operation of the legal system impacts business; includes contractual responsibility, protection of individual rights in legal relationships relative to warranties, product liability, secured and unsecured debts, negotiable instruments, agencies, employer-employee relations, property ownership and transfer, landlord and tenant, wills and states, community property, social security and taxation. There is a nonrefundable \$10 fee to cover the costs of computer usage supplies that become the property of the student and/or field trips.

Career Preparation I (WRK5100, WRK5200, WRK5300)

Grade Placement: 11-12 Credit: 2-3 units (Waives 0.5 unit locally required P.E. credit)

Career Preparation I provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences and supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. This instructional arrangement should be an advanced component of a student's individual program of study. Students are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success. There is a nonrefundable fee of \$20 to cover supplies that become student property. Students may be released from school for work from 0 periods (WRK5100), 1 period (WRK5200), or 2 periods (WRK5300).

Career Preparation II (WRK6100, WRK6200, WRK6300)

Grade Placement: 12 Credit: 3 units Prerequisites: Career Preparation I

Career Preparation II develops essential knowledge and skills through classroom technical instruction and on-the-job training in an approved business and industry training area. Students will develop skills for lifelong learning, employability, leadership, management, work ethics, safety, and communication as a group; however, each student will have an individual training plan that will address job-specific knowledge and skills. Approved training sponsors will provide paid occupational training for a student. The training sponsor will assist the teacher in providing the necessary knowledge and skills for the student's specific career preparation. There is a nonrefundable fee of \$20 to cover supplies that become student property. Students may be released from school for work from 0 periods (WRK6100), 1 period (WRK6200), or 2 periods (WRK6300).

Education and Training/Human Services

Texas Association of Future Educators (TAFE) encourages students to learn about careers in education and assists them in exploring the teaching profession while promoting character, service, and leadership skills necessary for becoming effective leaders. The purpose of TAFE is for Future Educators:

1. To learn about the teaching profession, its opportunities, responsibilities, and its important role in our democracy,
2. To explore personal interests and abilities in relation to the various fields of teaching,
3. To cultivate the qualities of personality, character, and leadership which are essential in good teachers,
4. To learn how and where teachers receive their training, the cost, scholarships available, number of years required, certification requirements, and standards, and
5. To study the lives and influence of great teachers.

Principles of Education and Training (TCH0100)

Grade Placement: 9-12 Credit: 1 unit

Principles of Education and Training is designed to introduce learners to the various careers available within the education and training career cluster. Students use self-knowledge and educational and career information to analyze various careers within the education and training career cluster. Students will also gain an understanding of the basic knowledge and skills essential to careers within the education and training career cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

Lifetime Nutrition and Wellness (EHS1003)

Grade Placement: 9-12 Credit: 0.5 units

This laboratory course allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. There is a nonrefundable fee of \$10 to cover supplies that become student property.

Dollars and Sense (EHS0008)

Grade Placement: 9-12 Credit: 0.5 units

Dollars and Sense focuses on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and preparation for human services careers. Students are encouraged to participate in career and technical student organizations and other leadership organizations. Students may incur a minimal fee for materials that become student property.

Human Growth and Development (TCH0200)

Grade Placement: 10-12 Credit: 1 unit Prerequisites: Principles of Education and Training

Human Growth and Development is an examination of human development across the lifespan with emphasis upon 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. There is a nonrefundable fee of \$10 to cover supplies that become student property.

Instructional Practices in Education and Training (TCH1100)

Grade Placement: 11-12 Credit: 1-2 units Prerequisites: Suggested: Principles of Education and Training and Human Growth and Development

Instructional Practices in Education and Training is a field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators or trainers 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, develop materials for educational environments, assist with recordkeeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

Practicum in Education and Training (TCH2100)

Grade Placement: 12 Credit: 2 units (Waives 0.5 unit locally required P.E. credit) Prerequisites: Instructional Practices in Education and Training (State Required), Suggested: Principles of Education and Training, or Human Growth and Development

Practicum in Education and Training 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 teacher with knowledge of early childhood education and exemplary 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.

Finance

Business Professionals of America (BPA) is a local and national organization that offers members the opportunity to develop leadership and business skills associated with career/job preparation and workplace competencies. The mission of BPA is to contribute to the preparation of a world-class workforce through the advancement of leadership, citizenship, academic, and technological skills. Throughout the year, we participate in community service projects, attend leadership conferences, and conduct fundraisers to help raise money for the organization.

Principles of Business, Marketing, and Finance (BUS0004)

Grade Placement: 9-11 Credit: 0.5 units

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. There is a nonrefundable fee of \$10 to cover supplies that become student property.

Money Matters (BUS0007)

Grade Placement: 9-12 Credit: 0.5 units

Students will investigate global economics with emphasis on the free enterprise system and its impact on consumers and businesses. Students apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to set long-term financial goals based on those options. Students will determine methods of achieving long-term financial goals through investment, tax planning, asset allocation, risk management, retirement planning, and estate planning. There is a nonrefundable fee of \$10 to cover supplies that become student property.

Accounting I (BUS1500)

Grade Placement: 10-12 Credit: 1 unit

Students learn how businesses plan, record, analyze and interpret financial data. The course covers ethics in business, careers in accounting, and personal use of accounting skills. Students will also develop automated accounting skills. A nonrefundable fee of \$35 covers the costs of workbooks and computer usage supplies that become the property of the student.

Accounting II (BUS1600)

Grade Placement: 11-12 Credit: 1 unit Prerequisites: Accounting I

This course is the continuation of the study of all accounting concepts and procedures. More emphasis is placed on automated accounting and the use of computers as the major tool of business. A nonrefundable fee of \$35 covers the costs of workbooks and computer usage supplies that become the property of the student.

Health Science and Technology Education

Certifications offered may include: Emergency Medical Technician (EMT), Certified Nurse Assistant (CNA), Certified Pharmacy Technician (CphT), and Registered Dental Assistant (RDA). Costs vary based on certification and may range from \$100 - \$500. Upon completion of the certification program and High School graduation, EMT, Pharmacy Technician, and RDA students may sit for the national exam. CNA Students will complete the state exam prior to graduation. These certification courses articulate with certain colleges in the state. Students must have a Social Security number and be eligible to work in the U.S.

HOSA

Membership in Health Occupational Students of America (HOSA) is strongly recommended for all Health Science Technology Education courses. Local, state, and national dues are paid annually. The mission of HOSA is to enhance the delivery of compassionate, quality, health care by providing opportunities for knowledge, skill and leadership development of all health science education students, therefore, helping the student meet the needs of the health care community.

Option	Classes 9th Grade	Classes 10th Grade	Classes 11th Grade	Classes 12th Grade
Starting in the 9th Grade	<u>Semester 1</u> Medical Terminology (0.5) AND <u>Semester 2</u> Principles of Health Science (0.5)		Health Science Clinicals (2.0) OR Practicum C N A (2.0)	Health Science Clinicals (2.0) OR Practicum in Health Science CphT, Tech, EMT, CNA, RDA (2.0)
Starting in the 10th Grade		<u>Semester 1</u> Medical Terminology (0.5) AND <u>Semester 2</u> Principles of Health Science (0.5)	Health Science Clinicals (2.0) OR Practicum C N A (2.0)	Health Science Clinicals (2.0) OR Practicum in Health Science CphT, Tech, EMT, CNA, RDA (2.0)
Starting in the 11th Grade			<u>Semester 1</u> Medical Terminology (0.5) AND <u>Semester 2</u> Principles of Health Science (0.5)	Health Science Clinicals (2.0) OR Practicum in Health Science CphT, EMT, EMT, CNA, RDA (2.0)

Medical Terminology (HLT1007)

Grade Placement: 9-12 Credit: 0.5 units Prerequisites: Biology or concurrent Biology

A course designed to develop a working knowledge of medical language. Students acquire word-building skills by learning prefixes, suffixes, roots, and abbreviations. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care. There is a nonrefundable fee of \$5 to cover supplies that become student property.

Principles of Health Science (HLT1008)

Grade Placement: 9-12 Credit: 0.5 units Prerequisites: Medical Terminology, Biology or (Waives 0.5 unit locally required health credit) concurrent Biology

This course develops health care specific knowledge and skills in effective communications, ethical and legal responsibilities, patient care, safety, first aid, anatomy and physiology, medical terminology, vital signs, infection control, and employment skills. This course prepares the student for the transition to clinical or work based experiences in health care. There is a nonrefundable fee of \$5 to cover supplies that become student property.

Health Science – Clinical Rotation (HLT2100)

Grade Placement: 11-12 Credit: 2 units Prerequisites: Medical Terminology, Biology, Principles of Health Science, Application and teacher approval
(Waives 0.5 unit locally required P. E. credit)

This course provides for the development of multi-occupational knowledge and skills related to a wide variety of health careers. The course is taught by different methodologies such as lecture, laboratory and clinical rotation. Due to limited clinical rotation sites, a selection process is required. Fee's not to exceed \$100.

Practicum in Health Science – CphT (HLT3400)

Grade Placement: 11-12 Credit: 2 units Prerequisites: Medical Terminology, Principles of Health Science, Biology, Algebra II, Chemistry, Application and Teacher Approval
(Contingent upon Certification)
(Waives 0.5 unit locally required P.E. credit)

An occupationally specific course designed to provide knowledge and skills for certification or licensure as a Pharmacy Technician. Students develop advanced clinical skills necessary for employment in the health care industry. Courses will be taught using different methodologies including pre-employment laboratory and clinical internship. Students must meet state and national certification requirements.

Practicum in Health Science - EMT (HLT3300)

Grade Placement: 11-12 Credit: 2 units Prerequisites: Medical Terminology, Principles of Health Science, Biology, Algebra II, Chemistry, Application and Teacher Approval
(Contingent upon Certification)
(Waives 0.5 unit locally required P.E. credit)

An occupationally specific course designed to provide knowledge and skills for certification or licensure as an Emergency Medical Technician (EMT). Students develop advanced clinical skills necessary for employment in the health care industry. Courses will be taught using different methodologies including pre-employment laboratory and clinical internship. Students must meet state and national certification requirements.

Practicum in Health Science – CNA (HLT3500)

Grade Placement: 11-12 Credit: 2 units Prerequisites: Medical Terminology, Principles of Health Science, Biology, Algebra II, Chemistry, Application and Teacher Approval
(Contingent upon Certification)
(Waives 0.5 unit locally required P.E. credit)

An occupationally specific course designed to provide knowledge and skills for certification or licensure as a Certified Nursing Assistant (CNA). Students develop advanced clinical skills necessary for employment in the health care industry. Courses will be taught using different methodologies including pre-employment laboratory and clinical internship. Students must meet state and national certification requirements.

Practicum in Health Science – RDA (HLT 3600)

Grade Placement: 11-12 Credit: 2 units Prerequisites: Medical Terminology, Principles of Health Science, Biology, Algebra II, Chemistry, Application and Teacher Approval
(Contingent upon Certification)
(Waives 0.5 unit locally required P.E. credit)

An occupationally specific course designed to provide knowledge and skills for certification or licensure as a Registered Dental Assistant (RDA). This course is designed to give the student a hands-on look at the field of dentistry and what each profession entails. Hands-on experience will be obtained through dental office rotations, research projects, oral hygiene education presentations, community involvement, associational involvement visits with their legislator, and law and ethics. It will further allow students the opportunity to continue to develop their skills as a Registered Dental Assistant in the state of Texas. Students must meet state and national certification requirements.

Information Technology

Business Information Management I (CMP1100)

Grade Placement: 9-12 Credit: 1 unit

Students develop 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.

Digital and Interactive Media (CMP1003)

Grade Placement: 10-12 Credit: 0.5 units Prerequisites: Business Information Management I

Through the study of digital and interactive media and its application in information technology, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment. There is a nonrefundable fee of \$10 to cover supplies that become student property.

Manufacturing

Welding (MFG2000)

Grade Placement: 10-12 Credit: 1 unit

In this course students will apply academic skills to the requirements of welding, demonstrating effective mathematical, reading, and writing skills to aid in the function and application of the tools, equipment, technologies, and materials used in welding. Students will perform shielded metal arc, gas metal arc, tungsten inert gas, and oxy-acetylene welding processes on a variety of metals. Students will be expected to use welding equipment following safety standards, while incorporating knowledge of welding blueprints and complete welding projects. Algebraic math skills and competency in these skills is required. The nonrefundable \$75 shop fee covers the cost of consumables.

Advanced Welding (MFG3000)

**Grade Placement: 11-12 Credit: 2 units Prerequisites: Algebra I or Geometry, Welding
(Waives 0.5 unit locally required P.E. credit)**

Advanced welding builds on knowledge and skills developed in welding. Students will develop advanced welding concepts and skills as they relate to personal and career development. This course integrates academic and technical knowledge and skills. Students will have opportunities to reinforce, apply and transfer knowledge and skills to a variety of settings and programs. Students will perform shielded metal arc, gas metal arc, tungsten inert gas and oxy-acetylene welding processes on a variety of metals. As with all certification courses, additional costs are required and a \$75 fee is included.

Marketing Education

Business Professionals of America (BPA) is a local and national organization that offers members the opportunity to develop leadership and business skills associated with career/job preparation and workplace competencies. The mission of BPA is to contribute to the preparation of a world-class workforce through the advancement of leadership, citizenship, academic, and technological skills. Throughout the year, we participate in community service projects, attend leadership conferences, and conduct fundraisers to help raise money for the organization.

Principles of Business, Marketing, and Finance (BUS0004)

Grade Placement: 9-11 Credit: 0.5 units

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. There is a nonrefundable fee of \$10 to cover supplies that become student property.

Advertising and Sales Promotion (BUS0103)

Grade Placement: 9-11 Credit: 0.5 units Prerequisites: Principles of Business, Marketing, and Finance

Advertising and Sales Promotion is designed as 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, ethical, and legal issues of advertising, historical influences, strategies, and media decision processes as well as integrated marketing communications. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.

Sports and Entertainment Marketing (BUS0008)

Grade Placement: 9-12 Credit: 0.5 units

This course will provide students with a thorough understanding of the marketing concepts and theories that apply to sports, sporting events and entertainment. Topics include basic marketing, target marketing, and segmentation, sponsorship, event marketing, promotions, sponsorship proposals and marketing plans. There is a nonrefundable fee of \$10 to cover supplies that become student property.

Entrepreneurship (BUS1208)

Grade Placement: 10-12 Credit: 0.5 units

The principles of business and marketing, the concepts of economics and free enterprise, and the understanding of human resource skills that an effective marketer must possess provide the foundation for the study of entrepreneurship. Understanding these concepts allows students to know the interrelationship between business and marketing. Skills are learned which allow students to start their own business.

Marketing Dynamics (WRK1100, WRK1200, WRK1300)

Grade Placement: 11-12 Credit: 2-3 units

(Waives 0.5 unit locally required P.E. credit)

Prerequisites: 16 years of age

Application and Approval

Marketing Dynamics is designed to provide classroom instruction, and on-the-job training in retail, food, recreation, automotive, finance, wholesale, industrial and service selling establishments. Students must be employed within 15 school days after admission and remain gainfully employed throughout the school year, or they will be withdrawn from the program. Membership in DECA is strongly recommended. Dues are \$25.

Students must provide their own transportation to and from the job, as they are released early from the campus. Students may be released from school for work from 0 periods (WRK1100), 1 period (WRK1200), or 2 periods (WRK1300).

Practicum in Marketing Dynamics (WRK2100, WRK2200, WRK2300)

Grade Placement: 12

Credit: 3 units

Prerequisites: Marketing Dynamics, 16 years of age

(Does not waive 0.5 P.E.)

Applications and Approval

Through course required employment, students gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. Students will illustrate appropriate management and research skills to create the marketing mix. This course covers technology, communication, and customer-service skills. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical education courses in marketing education. Membership in DECA is strongly recommended. Dues are \$25. **Students must provide their own transportation to and from the job, as they are released early from the campus.** Students may be released from school for work from 0 periods (WRK2100), 1 period (WRK2200), or 2 periods (WRK2300).

STEM – Science, Technology, Engineering, and Mathematics

Project Lead The Way (PLTW) courses are aligned with Common Core State Standards for Math and English Language Arts, Next Generation Science Standards, and other national and state standards. Courses and units are designed to complement math and science courses, and in some instances, are used as the core curriculum.

Introduction to Engineering Design (STE0100)

Grade Placement: 9-10

Credit: 1 unit

This is the first course in a series of Project Lead the Way courses that will support a STEM Engineering pathway. This is a 1 credit course that serves as the introductory course for the pathway. Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work.

Military Science - Junior Reserve Officer Training Corps

JROTC promotes color guard, drill teams, group athletics, academic teams, marksmanship teams and other extra-curricular activities.

Junior ROTC Science I (RTC1000)

Grade Placement: 9-12 Credit: 1 unit (Satisfies P.E. credit)

JROTC is open to all students 14 years of age who meet the physical standards and citizenship requirements of the JROTC program. Regular physical fitness training is conducted. Classes are taught by retired officers and enlisted personnel. Cadets will attend classes one day each week in JROTC uniform and must comply with grooming standards for males or females. Assistance is available to those seeking nominations to the Naval Academy and the other Federal Academies or interested in qualifying for a JROTC college scholarship.

Junior ROTC Science II (RTC2000)

**Grade Placement: 10-12 Credit: 1 unit Prerequisites: JROTC Science I
(Satisfies local P.E. credit)**

JROTC Science II builds on the general introduction provided in JROTC Science I to further develop traits of citizenship and leadership in students. Cadets work closely with JROTC Science I cadets to develop confidence and proficiency in supervision of close order drill. Successful completion of JROTC Science II allows entry into the Army, Navy and Air Force at one higher pay grade.

Junior ROTC Science III (RTC3000)

Grade Placement: 11-12 Credit: 1 unit Prerequisites: JROTC Science I-II

JROTC Science III continues the emphasis on leadership and citizenship in previous JROTC Science courses. Cadets must have successfully completed JROTC Science II or an equivalent JROTC course. JROTC Science III may be taken before or after JROTC Science II. Successful completion of two years of JROTC allows enlistment in the Army, Navy and Air Force at one higher pay grade. Completion of three years of JROTC allows enlistment at two higher pay grades in these services and one higher pay grade in the Marines.

Junior ROTC Science IV (RTC4000)

Grade Placement: 12 Credit: 1 unit Prerequisites: JROTC Science I-III

JROTC Science IV emphasizes techniques of effective leadership, group dynamics and interaction, and human motivation. Cadets study the moral responsibilities of a leader and techniques of effective communication. Students must have completed three years of JROTC to enroll.

Fine Arts

[Return to Graduation Requirements](#)

[Return to Table of Contents](#)

Fine Arts Courses: [Art](#) [Music](#) [Choral](#) [Dance](#) [Theatre](#) (Also see [Floral Design](#) in CTE)

Art Sequence	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Sculpture	Art I	Art II: Sculpture	Art III PreAP: 3-D (Sculpture)	Art Sculpture AP 3-D Design
Drawing & Design	Art I	Art II: Drawing & Design	Art III PreAP: 2-D (Drawing and Design)	Art AP Drawing

Art I (ART1000)

Grade Placement: 9-12 **Credit: 1 unit**

This introductory course offers the beginning art student a general survey of studio art. A variety of media and techniques will be explored throughout the year including drawing, printing, painting, sculpture, ceramics, and design. It also includes art history, the cultural influences of art, and career opportunities in art. The nonrefundable materials fee is \$15 per semester.

Art II – Drawing (ART2000)

Grade Placement: 10-12 **Credit: 1 unit** **Prerequisites: Art I**

In this developmental level course, proficient students enhance and refine their natural abilities through exploration of various art processes, procedures, theories, and historical movements. Activities allow student participants to acquire knowledge, improve skills, and experiment with concepts as they relate to the elements and principles of art in preparation for the Advanced Placement Art program. The nonrefundable materials fee is \$15.00 per semester.

Art II – Sculpture (ART2100)

Grade Placement: 10-12 **Credit: 1 unit** **Prerequisites: Art I**

In this developmental level course, students explore various art processes, procedures, theories, and historical movements as they apply to form. Participants acquire knowledge, improve skills, and experiment with concepts as they relate to the elements and principles of art in a three-dimensional application. Both additive and subtractive methods of sculpting are used in the construction of original artwork. The course is designed to prepare students for the Advanced Placement Art program. Materials may include wire, clay, stone, wood, glass, paper, and found objects. The nonrefundable materials fee is \$25.00 per semester.

Art III Drawing PAP (ART3020Q)

Grade Placement: 11-12 **Credit: 1 unit** **Prerequisites: Art II and Teacher Approval with Portfolio review**

This accelerated course focuses on developing technique in a variety of areas including drawing, painting, collage and mixed media. Emphasis will be on developing compositional skills using the art elements (line, shape, color, value, texture, space) to enhance the principles of design (unity/variety, balance, emphasis, contrast, rhythm, repetition, proportion/scale, figure/ground relationships). Expression of the student's individual creativity will be encouraged. Student will demonstrate his/her accomplishments through a portfolio or work. The nonrefundable materials fee is \$15 a semester.

Art III Sculpture PAP (ART3120Q)

Grade Placement: 11-12 Credit: 1 unit

Prerequisites: Art II and Teacher Approval with Portfolio review

This course is an advanced art class designed for the student interested in studying in-depth three dimensional form. Advanced additive and subtractive methods will be explored as students continue to strengthen design skills and emphasis on form. All projects are designed to strengthen and develop the students' portfolio and may be used as a significant portion of the AP portfolio produced in the AP 3D Design course. The nonrefundable materials fee is \$25 per semester.

AP Studio Art: Drawing (ART4030P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 11-12 Credit: 1 unit

Prerequisites: Art I, II, III, and/or Teacher Approval with Portfolio review

The course is designed to address a very broad interpretation of drawing issues and media, such as line, form, composition, surface manipulation and illusion of depth. Drawing issues will be addressed through a variety of media, which include painting, illustration, printmaking and mixed media. The course guidelines are based on the College Board AP portfolio requirements and work should show evidence of conceptual, perceptual, expressive, and technical range in drawing. Submission of a portfolio in May is mandatory to receive AP credit. The nonrefundable materials fee is \$15 per semester.

AP Studio Art: 3-D Design [Sculpture] (ART4130P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 12 Credit: 1 unit

Prerequisites: Art I, II, III, and/or Teacher Approval with Portfolio review

This course is designed to offer students an opportunity to produce a portfolio that demonstrates proficiency in 3D Design using skills learned from previous sculpture courses while developing their own style. All projects and works of art are designed to strengthen and develop the students' portfolio. The course guidelines are based on the Advanced Placement portfolio requirements. A nonrefundable materials fee is \$25 per semester.

AP Studio Art: 2-D Design (ART4230P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 11-12 Credit: 1 unit

Prerequisites: Art I, II, III, and/or Teacher Approval with Portfolio review

This course will address a broad interpretation of two-dimensional (2D) design. Design involves conceptual application and integration of the elements and principles of art. Two-dimensional media including, but not limited to, drawing, illustration, painting, graphic design, photography, collage, and printmaking will be explored. The course guidelines are based on the College Board AP portfolio requirements and work should show evidence of conceptual, perceptual, expressive, and technical range in design. Submission of a portfolio in May is mandatory to receive AP credit. The nonrefundable materials fee is \$15 per semester.

Music: [Band](#) [Orchestra](#) [Music Theory](#) [Choral](#)**BAND (BND1000, BND2000, BND3000, BND4000)**

Band is a performance activity based course and requires after-school practice/performance throughout the school year. First semester activities include summer band in August, UIL activities, marching contests, football shows, region band, and school concerts. Second semester activities include UIL activities, school concerts, solo and ensemble concert contests, Spring trip, graduation ceremonies, and a marching training session for the next year. Uniform fees include a fee of approximately \$60 for uniform cleaning and \$20 for two band t-shirts (one is the annual theme shirt), which become the property of the student. All students need approved shoes and accessories at a cost of approximately \$60 for two pair. All new members will be required to purchase a uniform bag at a cost of approximately \$20. Students entering Region Band, and Solo and Ensemble events need to pay the specified entry fee.

JV Band I-IV ([See Band](#))

Grade Placement: 9-12 Credit: 1-4 units Prerequisites: Audition, (Class availability dependent upon enrollment)
(P.E. Equivalent/Fall Only)

This course provides fundamental musical instruction while developing performance skills, music theory, proper technique, and reinforcing basic competencies. Emphasis is placed on developing leadership and responsibility, cooperation, self-discipline, diligence, and cultural awareness.

Approximate cost: See BAND Introduction

Concert Band I-IV ([See Band](#))

Grade Placement: 9-12 Credit: 1-4 units Prerequisites: Audition (P.E. Equivalent/Fall Only)

This course provides instruction in mental and physical discipline, citizenship through group endeavor, physical conditioning, cultural growth, ability to make music value judgment through critical listening, music theory, proper technique, and creative self-expression. Students develop performance skills and become acquainted with band literature. Emphasis is placed on developing leadership and responsibility, cooperation, self-discipline, diligence, and cultural awareness.

Approximate cost: See BAND Introduction

Symphonic Winds I-IV ([See Band](#))

Grade Placement: 9-12 Credit: 1-4 units Prerequisites: Audition (P.E. Equivalent/Fall Only)

This course is a continuation of Concert Band I, providing instruction in mental and physical discipline, citizenship through group endeavor, physical conditioning, cultural growth, ability to make music value judgment through critical listening, music theory, proper technique, and creative self-expression. Students develop performance skills and become acquainted with band literature. Emphasis is placed on developing leadership and responsibility, cooperation, self-discipline, diligence, and cultural awareness. **Approximate cost: See BAND Introduction**

Varsity Wind Ensemble I-IV ([See Band](#))

Grade Placement: 9-12 Credit: 1-4 units Prerequisites: Audition (P.E. Equivalent/Fall Only)

This course is a continuation of the first two years of band and emphasis is placed on developing leadership and responsibility, cooperation, self-discipline, diligence, and cultural awareness. *Students in the top performance organization will be required to attend All-Region Band tryouts and Solo/Ensemble contest.* **Approximate cost: See BAND Introduction**

Dance Color Guard I-IV ([See Band](#))

Grade Placement: 9-12 Credit: 1-4 units (P.E. Equivalent/Fall Semester Only)

This course is an extracurricular activity designed for students interested in expressive concepts to music. There are scheduled rehearsals and contests along with fees for uniforms and equipment (approximately \$500). Included in the cost is a \$50 equipment usage fee, costume, shoes, windsuit, gloves, uniform bag, t-shirt, and makeup supplies. Distance to competitions may dictate additional travel and hotel expenses. During fall performances schedule is concurrent with Band schedule. Spring schedule is separate from the band. Interested students must attend an audition where they will be trained to use various pieces of equipment. No experience is required. *Contact the director of bands if interested.*

Jazz Band I-IV (BND1200, BND2200, BND3200, BND4200)

Grade Placement: 9-12 Credit: 0.5-4 units Prerequisites: Audition, (Class availability (Not Approved substitute for P.E.) dependent upon enrollment)

Jazz Band class will follow the music TEKS. It will offer an in-depth study of all styles of Jazz music, Jazz musicians, and improvisation.

Orchestra (ORC1000, ORC2000, ORC3000, ORC4000)

The high school orchestra is a musical organization for students who play strings, woodwinds, brass and percussion. Students who play violin, viola, cello, bass and harp must register for orchestra in order to participate. All wind and percussion players who participate in full orchestra must be current active members of the band program. String bass players must be registered for orchestra to play in the band. The full orchestra rehearses outside of the regular school day. Students experience a variety of musical settings from small chamber ensembles to full symphonic orchestral playing. The orchestra participates in concerts, contests, festivals, and often combines with the choir or band for special programs. Section rehearsals are scheduled after school to prepare for concerts and contests. Attendance at all rehearsals and performances is required. The district will furnish large string instruments for school use. Students must furnish violins and violas and the large instruments for personal use.

JV Orchestra I-IV ([See Orchestra](#))

Grade Placement: 9-12 Credit: 1-4 units Prerequisites: Audition

This course is a continuation of the junior high orchestra curriculum as it provides fundamental musical instruction while developing performance skills, music theory, proper technique, and reinforcing basic competencies. Emphasis is placed on developing leadership and responsibility, cooperation, self-discipline, diligence, and cultural awareness.

Philharmonic Orchestra I-IV ([See Orchestra](#))

Grade Placement: 9-12 Credit: 1-4 units Prerequisites: Audition

This course is a continuation of the orchestra curriculum at an intermediate level. Students are encouraged to participate in TMEA All-Region events and UIL Solo & Ensemble. Philharmonic orchestra members continue to develop performance skills, music theory, proper technique, and basic musical competencies. Emphasis is placed on respect for others, loyalty to the ensemble, pride in the organization, the ability to work cooperatively with others toward the performance of music in large and small ensembles.

Symphony Orchestra I-IV ([See Orchestra](#))

Grade Placement: 9-12 Credit: 1-4 units Prerequisites: Audition

This course is a continuation of the orchestra curriculum at the most advanced level. Students are required to participate in TMEA All-Region/All-State events and UIL Solo & Ensemble. Symphony orchestra members strive to develop a high degree of self-discipline, self-confidence, responsibility and dependability. Emphasis is placed on respect for others, loyalty to the ensemble, pride in the organization, the ability to work cooperatively with others toward the performance of music in large and small ensembles. Students perform at the highest level of artistry through individual musical awareness, control and technical facility.

AP Music Theory (MUS5030P)

College Credit is achieved by AP testing and individual college approval

All students enrolled are expected to take the AP Exam

**Grade Placement: 11-12 Credit: 1 unit Prerequisites: Minimum of 2 years
high school music or private instruction**

This course assists the student in developing aural and visual understanding of musical structure and compositional procedures, fluency in reading notation, and listening skill. Students will learn to relate visual and aural understanding to musical elements and compositional procedures. Topics addressed include: harmonic analysis, part-writing, sight-singing, and ear-training. There is a nonrefundable \$25 materials fee for student workbook and music staff paper.

Choral Music (MUS1000, MUS2000, MUS3000, MUS4000)

Concert Choir I-IV ([See Choral Music](#))

Grade Placement: 9-12 Credit: 1-4 units Prerequisites: Ability to match pitch

This course provides instruction in perception, creative expression/performance, historical and cultural heritage, and critical evaluation. The choirs perform a minimum of two major concerts as well as various programs in the community. Competition includes: district, region and state auditions, solo and ensemble contests, and UIL concert and sight-reading contests. Uniforms are provided for each student. There is a nonrefundable fee of \$20 per year: \$10 pays for a choir t-shirt and \$10 pays for uniform cleaning at the end of the year. Concert Women's and Concert Men's Choir are concert choirs designed for the young or beginning choral student. *The concert choirs are open to all students without audition.*

Treble Choir I-IV ([See Choral Music](#))

Grade Placement: 9-12 Credit: 1-4 units Prerequisites: Instructor Approval

This course provides intermediate to advanced instruction. Heavy emphasis is placed on vocal technique and sight-reading skills. Expectations are high for the members through challenging literature and more required performances and competitions outside of the school day. Competitions include: district, region, and state auditions, UIL solo competition, and UIL Concert and Sight-reading. Uniforms are provided for each student. There is a non-refundable fee of \$20 per year: \$10 pays for a choir shirt and \$10 pays for uniform cleaning at the end of the year.

Chorale I-IV ([See Choral Music](#))

Grade Placement: 9-12 Credit: 1-4 units Prerequisites: Instructor Approval, concurrent enrollment in Vocal Ensemble

This course provides advanced instruction. A solid foundation in vocal technique and sight-reading skills is necessary. High expectations are placed on the members through demanding literature and more required performances and competitions outside of the school day. Competitions include: district, region, and state auditions, UIL solo competition, and UIL Concert and Sight-reading. Uniforms are provided for each student. There is a non-refundable fee of \$20 per year: \$10 pays for a choir shirt and \$10 pays for uniform cleaning at the end of the year.

Vocal Ensemble I-IV ([See Choral Music](#))

Grade Placement: 9-12 Credit: 1-4 units

This course provides instruction in perception, creative expression/performance, historical and cultural heritage, and critical evaluation. The choirs perform a minimum of two major concerts as well as various programs in the community. Competition includes: district, region and state auditions, solo and ensemble contests, and UIL concert and sight-reading contests. Uniforms are provided for each student. There is a nonrefundable fee of \$20 per year: \$10 pays for a choir t-shirt and \$10 pays for uniform cleaning at the end of the year.

Dance

Dance I/P.E./Aerobic Activity (DNC1000)

Grade Placement: 9-12 Credit: 1 unit (Satisfies P.E. Equivalent)

This class consists of the basics of dance, which include vocabulary, composition, analysis, history and technique. Styles taught include ballet, modern, jazz, improvisation and choreography. Students are required to attend the Fine Arts Festival in the Spring as part of their grade. Students must wear black and/or white dance attire and have a notebook and video (for the Spring semester) that will be purchased by student. Students are graded on daily journals, aesthetic critiques, skills tests, vocabulary tests and participation as well as other required written work.

Dance II/P.E./Aerobic Activity (DNC2000)

**Grade Placement: 10-12 Credit: 1 unit Prerequisites: Dance I or Teacher Approval
(Satisfies Local P.E. Equivalent)**

This class consists of a more advanced level of dance skills learned in Dance I, and students will explore body movement in greater detail through ballet, jazz, modern, choreography and improvisation. Students will begin critiques as well as self-exploration through dance. Students are required to attend the Fine Arts Festival in the Spring as part of their grade. Students must wear black and/or white dance attire and have a notebook and video (for the Spring semester) that will be purchased by student. Students are graded on daily journals, aesthetic critiques, skills tests, vocabulary tests and participation as well as other required written work.

Dance III and IV (DNC3000) and (DNC4000)

Grade Placement: 11-12 Credit: 1-2 units Prerequisites: Dance I and II, Teacher Approval

This course is a hands on dance technique opportunity where students will learn the breakdown of dance steps as well as teaching methods of dance. Students will be required to choreograph and teach as well as assist the teacher when needed. This course is by teacher approval for Juniors and Seniors who have completed Dance I and II. This course is intended for students who may be interested in pursuing a career in dance or the teaching of dance. Students are required to attend the Fine Arts Festival in the Spring as part of their grade. Students must wear black and/or white dance attire and have a notebook and video (for the Spring semester) that will be purchased by student. Students are graded on daily journals, aesthetic critiques, skills tests, vocabulary tests and participation as well as other required written work. Contact dance teacher if interested.

Dance/Drill Team I-IV (DRL1000, DRL2000, DRL3000, DRL4000)

Grade Placement: 9-12 Credit: 1-4 units Prerequisites: Audition (Satisfies P.E. Equivalent)

This course is by audition only and will not only explore different dance techniques but has a primary purpose of performance throughout the year. Try-out opportunities are in the Spring. Membership requires extended fees and outside practices. Contact drill team director if interested.

Theatre

Theatre I (THA1000)

Grade Placement: 9-12 **Credit: 1 unit**

This course includes instruction in the expressive use of the body and voice, classical acting concepts, and storytelling skills, improvisation, auditioning, stage movement, play writing, history, technical theatre skills, and appreciation. Students perform in front of an audience of peers and use technical talents in practical applications. There is a nonrefundable fee of \$15 to cover the cost of scene copies and art supplies. Students are required to attend and evaluate the departmental productions during the year.

Theatre II (THA2000)

Grade Placement: 10-12 **Credit: 1 unit** **Prerequisites: Theatre I**

This course focuses on expanding knowledge in the areas introduced in Theatre I with emphasis on classical acting concepts and skills. Students are exposed to all aspects of production by preparing a class play from auditioning techniques through closing of a show. There is a nonrefundable fee of \$15 to cover the cost of scene copies and makeup supplies. Students are required to attend and evaluate the departmental productions during the year.

Theatre III (THA3000)

Grade Placement: 11-12 **Credit: 1 unit** **Prerequisites: Theatre II**

This course continues focusing on the essential elements of theatre begun in prior courses. Acting techniques are further explored through monologues, scenes, and script writing. Concepts of abstract ideas are visualized through writing and directing. Musical theatre, dance, radio, television, and film are also discussed. General principles of directing are introduced and then applied through student directed scenes. There is a nonrefundable fee of \$15 to cover the cost of scene copies and design supplies. Students are required to attend and evaluate the departmental productions during the year.

Theatre IV (THA4000)

Grade Placement: 12 **Credit: 1 unit** **Prerequisites: Theatre III**

This course provides opportunities for students to advance skills learned in previous courses and gain further practical experience in acting, directing, and production skills through development and performance of a class one-act play. There is a nonrefundable fee of \$15 to cover short scene copies and play production costs. Students are required to attend and evaluate the departmental productions during the year.

Technical Theatre I-II (THT1000, THT2000)

Grade Placement: 9-12 Credit: 1-2 units

This course introduces theatre safety, history, publicity, stage management, theatre etiquette, and the concepts of scenic properties, lighting, costume, makeup design, and construction. For classes that excel in theory, some practical applications of skills may be granted, depending on production needs. There is a nonrefundable fee of \$15 to cover construction costs, design project art supplies and individual student makeup. Students are required to attend and evaluate the departmental productions during the year.

Technical Theatre III and IV (THT3000, THT4000)

Grade Placement: 11-12 Credit: 1-2 units Prerequisites: Technical Theatre I, II

This advanced class of Tech theatre focuses on the creative requirements of theatre production. Students will design and construct properties, light plots, costumes, sets and makeup for practical show. Students are required to serve a minimum number of crew hours for each production as needed. There is a nonrefundable fee of \$15 to cover construction costs, design project art supplies and individual student makeup. Students are required to attend and evaluate the departmental productions during the year.

Theatre Production I and II (THP1000, THP2000)

Grade Placement: 9-12 Credit: 1-2 units Prerequisites: Performance Test/Audition

This course develops skills in applied communications, practical applications, performances, and recognition of career opportunities in theatre. Through the presentation of main stage plays, students use skills in all aspects of theatrical production (performance and/or technical areas). Students are required to audition for a role or technical position for each school production during the current year and to contribute after school time as needed. There is a nonrefundable fee of \$15 to cover portfolio supplies and research materials. Students are required to attend and evaluate the departmental productions during the year.

Theatre Production III and IV (THT3000, THT4000)

Grade Placement: 11-12 Credit: 1-2 units Prerequisites: Performance Test/Audition

This course develops skills in applied communications, practical applications, performances, and recognition of career opportunities in theatre through the presentation of main stage plays. Students are required to audition for a role or technical position for each school production during the current year and to contribute after school time as needed. There is a nonrefundable fee of \$15 to cover the cost of portfolio supplies and research materials. Students are required to attend and evaluate the departmental productions during the year.

Health, Physical Education, PE Substitutes, and Athletics

Return to [Graduation Requirements](#)

Return to [Table of Contents](#)

Courses: [Health](#) [Physical Education](#) [PE Substitutes](#) [Athletics](#)

Health Education (HLT0007)

Grade Placement: 9-12 Credit: 0.5 units

This course is designed to help students learn about themselves, their peers, social problems and family life. The following topics are included in the study of health: community health, growth and development, health and fitness for daily living, use and abuse of tobacco, alcohol and drugs, CPR instruction, and sex education for family living. Class expectations: Textbook, access to newspapers or internet for current events.

General Physical Education

Physical Education/Aerobic Activity (PED1006)

Grade Placement: 9-12 Credit: 0.5-1 unit

Students in general education are exposed to a variety of activities that promote health-related fitness. Some individual and team sports are introduced and rules and strategy are also identified.

Individual Sports (PED2005)

Grade Placement: 9-12 Credit: 0.5-1 unit

This course allows students to participate in a wide range of individual sports that can be pursued for a lifetime, such as tennis, badminton, and weight training. The student will be expected to demonstrate officiating techniques and learn to accept the roles and decisions of officials. The student will be responsible for the understanding and application of all safety practices associated with individual sports.

Team Sports (PE2006)

Grade Placement: 9-12 Credit: 0.5-1 unit

This course develops health-related fitness and an appreciation for teamwork and fair play. Team Sports reinforces the concept of incorporating physical fitness into a life-style beyond high school. A student will be expected to demonstrate consistency when using basic offensive and defensive skills of a sport like basketball, flag football, soccer, softball or volleyball. The students identify and apply rules and procedures that are designed for safe participation in team sports while displaying appropriate etiquette.

Adaptive Physical Education

Grade Placement: 9-11 Credit: 1-2 units

Prerequisites: An IEP will be determined by the ARD committee. Progress will be determined by objectives on the IEP. An adapted physical education evaluation is required prior to placement in this course.

This course is a fitness program designed to meet an individual student's special needs and interests. Adaptive PE focuses on developing and maintaining an acceptable health related level of physical fitness and wellness

For 1 State PE Credit

[Band I, II \(Fall Semester\)](#)

[Cheerleading I \(Both Semesters\)](#)

[Dance/Drill Team I, II \(Both Semesters\)](#)

[JROTC I \(Both Semesters\)](#)

[Off Campus PE \(0.5 – 4 Credits\)](#)

For 0.5 Local Credit

[Band III \(Fall Semester\)](#)

[Cheerleading II \(Fall Semester\)](#)

[Dance/Drill Team II \(Fall Semester\)](#)

[JROTC II \(Fall Semester\)](#)

[Career Preparation I \(CTE\)](#)

[Health Science-Clinical Rotations \(CTE\)](#)

[Practicum in Health Science \(CTE\)](#)

[Marketing Dynamics \(CTE\)](#)

[Advanced Welding \(CTE\)](#)

Cheerleading I-IV

Grade Placement: 9-12 Credit: 0.5-1 State PE, 0.5 Local PE Prerequisites: Tryout

This class is designed to give cheerleaders time to plan, organize and promote school spirit. During class, the cheerleaders also are involved in fitness training, gymnastics training and preparation for performances and competitive events. Estimated costs of uniforms and related student expenses are available at the time of try outs. A physical is required prior to participation.

Athletics

See the Physical Education section of the Graduation Plans at the front of the Course Selection Guide for equivalent and credit information. The TISD Athletic Department charges each athlete, 7th – 12th grades, an Activity Fee of \$20.00. The activity fee is collected at the beginning of each school year and is used to defray the cost of transportation to contest and security. This activity fee is non-refundable after the tenth class meeting, and report cards will be held until it is paid. Athletes must also pass a physical each year and have an official UIL medical form on file to be eligible to participate. Physicals are performed on campus each year for approximately \$25, or you can take the official form to your physician for completion.

Basketball

Grade Placement: 9-12 Credit: 0.5-4 units Prerequisites: Class Screening 1st Week of School, Instructor's Approval

This course is an opportunity for students to display their abilities, team play, and sportsmanship in an organized sport while fulfilling the physical education requirement. During the off season, emphasis is placed on basketball fundamentals, terminology, and strengthening of the body by weight lifting, jumping drills and cross country running. During basketball season, the athletic period is spent in preparation for the upcoming opponents through team workouts. This class is for participation in UIL contests, and requires after school practice. A physical is required prior to participation.

Baseball

Grade Placement: 10-12 Credit: 0.5-4 units Prerequisites: Tryout – Contact TISD Athletic Department for more information.

This course is geared to the conditioning and preparation of the individual athlete to compete in an extracurricular baseball program. Before the season starts, this period will be used as an off-season training class. This involves weight lifting, conditioning exercises and individual skills pertaining to baseball. During the season this time will be used for meetings and preparation for work. A physical is required prior to participation.

Cross Country

Grade Placement: 9-12 Credit: 0.5-4 units Prerequisites: Tryout – Contact TISD Athletic Department for more information.

This course is designed to fulfill physical education requirements for students participating in cross country in the fall semester. This period will be used to perform the running of cross country workouts and conditioning programs. This program is designed to allow participation in UIL Cross Country Meets through the fall semester. A physical is required prior to participation.

Football

Grade Placement: 9-12 Credit: 0.5-4 units

This course is a UIL sport and will require after school practice throughout the school year. Football is designed to fulfill the regular physical education requirements for those students involved in football. During the football season, the period will be used for team meetings, practice preparation, medical treatment, and specialty practice. After the season, this period will be used as an off-season training class involving weight lifting, individual football skills and conditioning exercises. After school practice and game participation is required. Practices will also include some Saturdays, and days prior to the start of the regular school year. A physical is required prior to participation.

Golf

Grade Placement: 9-12 Credit: 0.5-4 units Prerequisites: Tryout – Contact TISD Athletic Department for more information.

This is a UIL sport that will require practice after school only. See Golf Coach for further information. A physical is required prior to participation.

Soccer

Grade Placement: 9-12 Credit: 0.5-4 units Prerequisites: Tryout – Contact TISD Athletic Department for more information.

This course is a UIL sport and will require after school practice throughout the soccer season. Soccer is designed for students who are serious about improving their soccer skills. The class focuses on the basic principles, rules, and styles of play. The class time is divided into three components: individual skill work, team play, and conditioning. A physical is required prior to participation.

Softball

Grade Placement: 9-12 Credit: 0.5-4 units Prerequisites: Tryout – Contact TISD Athletic Department for more information.

This course is a UIL sport and will require after school practice during the Spring semester. In the Fall semester, the period will be used as an off-season training class. This involves weight lifting, conditioning, exercises, and individual skills pertaining to softball. A skills test will be given at the end of the 2nd six weeks to determine a student's placement for the Spring semester. During the Spring semester, this period of time will be used for team meetings, preparation for practice, medical treatment and extra individual work. Participation in the athletic class does not secure a position on the team. This activity is designed for UIL contests. A physical is required prior to participation.

Swimming

Grade Placement: 9-12 Credit: 0.5-4 units Prerequisites: Tryout – Contact TISD Athletic Department for more information.

This course is open to students interested in competitive swimming. It is a UIL sport and will require practice outside the school day throughout the year. Experience with competitive swimming is recommended but not required. Practices will be held at the Tomball Aquatic Center. A physical is required prior to participation.

Tennis

Grade Placement: 9-12 Credit: 0.5-4 units Prerequisites: Tryout – Contact TISD Athletic Department for more information.

This course is required for all members of the tennis team and is a UIL sport and will require practice outside the school day throughout the year. The Fall semester consists of team tennis, where there are Varsity and Junior Varsity teams. The Spring semester consists of individual tournaments for Varsity, JV, and Freshmen. A physical is required prior to participation.

Track

Grade Placement: 9-12 Credit: 0.5-4 units Prerequisites: Tryout – Contact TISD Athletic Department for more information.

Track practice will be completed after school hours and students will participate in after-school-hours UIL track meets. See Track Coach for further information. A physical is required prior to participation.

Volleyball

Grade Placement: 9-12 Credit: 0.5-4 units Prerequisites: Tryout – Contact TISD Athletic Department for more information.

This course is a UIL sport and will require after school practice in the fall semester during the competition season. The Spring semester is geared to the conditioning and preparation of the individual athlete to compete in an extracurricular volleyball program. Fundamental skills, terminology, team strategy and game preparation are stressed. A physical is required prior to participation.

Trainer

Grade Placement: 9-12 Credit: 0.5-4 units Prerequisites: Tryout – Contact TISD Athletic Department for more information.

This is a specialized class related to the health care of athletes. It is a practical, hands-on, working class situation.

Languages Other Than English

Return to [Graduation Requirements](#)

Return to [Table of Contents](#)

French I (FRN1000)

Grade Placement: 9-12 Credit: 1 unit

This course develops the necessary skills to listen, speak, read, and write about situations relevant to everyday life. Grammar includes present and past tenses of regular and irregular verbs, commands, and basic prepositions. This course also includes basic vocabulary, expressions, and idioms. French I emphasizes oral and written proficiency. Students will acquire cultural awareness. Students should expect homework as well as outside projects. *A dictionary is recommended.*

French II (FRN2000)

Grade Placement: 10-12 Credit: 1 unit Prerequisites: French I

This course provides opportunities for students to use the French Language at an intermediate level. Intermediate grammar includes the completion of simple past tense, the introduction of imperfect and future tenses, agreement of adjectives, more complex idioms, direct and indirect object pronouns, reflexive verbs, as well as extending the study of vocabulary. Students will continue their cultural study. Students will have an introduction to French literature. Students should expect homework. We will continue to work on both oral and written proficiency. *A dictionary is recommended.*

French II PAP (FRN2020Q)

Grade Placement: 10-12 Credit: 1 unit Prerequisites: French I

This course provides enhanced opportunities to study the areas of French grammar, vocabulary, and literature. Grammar will include the areas of past tense (*passé composé*, *imparfait*) and future tenses, an advanced adjective study, direct and indirect object pronouns. Advanced speaking, reading, writing skills will be explored. Students should expect homework as well as outside projects. *A dictionary is required.*

French III PAP (FRN3020Q)

Grade Placement: 10-12 Credit: 1 unit Prerequisites: French II

Advanced grammar at this level includes study of present and past conditional, pluperfect, and future perfect. Other areas of advanced grammar include: conditional sentences, relative pronouns, advanced idioms, advanced use of prepositions and constructions after prepositions. Advanced writing, reading, speaking, and comprehension skills are emphasized. Literature and situational readings from many sources will be provided. Students will work with sample placement tests. Advanced oral and written proficiencies are targeted. Homework and outside projects should be expected. *A dictionary is recommended.*

French IV [AP French Language and Culture] (FRN4030P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 11-12 Credit: 1 unit Prerequisites: French III PreAP

This course develops advanced level language skills and vocabulary. Present and past subjunctive tenses are introduced. An intense review of grammar will be conducted in order to prepare students for the AP exam. This course will include an in depth literature study. Students will work with sample placement tests. Students will continue to study culture. Homework and outside projects should be expected. *A dictionary is recommended.*

German I (GRM1000)

Grade Placement: 9-12 Credit: 1 unit

This course develops the necessary skills to listen, speak, read, and write about situations relevant to everyday life. Grammar includes present tense of regular and irregular verbs, case, commands and accusative prepositions. This course also includes basic vocabulary, daily expressions, and idioms. German I emphasizes oral and written proficiency. Cultural study is emphasized with each unit studied.

German II (GRM2000)

Grade Placement: 10-12 Credit: 1 unit Prerequisites: German I

This course provides opportunities for students to use the German Language at a more complex level. Advanced grammar presentations include the introduction of the perfect and future tenses, agreement of adjectives, more complex use of idioms, accusative and dative case, reflexive verbs as well as continuing the study of vocabulary. Cultural study continues and is integrated into each unit. Students continue to work on both oral and written proficiency.

German II PAP (GRM2020Q)

Grade Placement: 10-12 Credit: 1 unit Prerequisites: German I

In the second year students continue with the sequel text, Deutsch Aktuell 2. Emphasis continues to be placed on conversation and comprehension, as students master sentence structure and expand the vocabulary encountered in a teenager's life. Use of videos and films continues as students learn the German language and culture. This course provides students with multiple opportunities to improve their basic communicative level, to further their insights into cultures other than their own, to improve their understanding of their own language and culture, to access knowledge from other disciplines using the target language, and to participate in the global community in meaningful ways. Assignments range from posters, skits, poetry dramatization, journal writing, and booklets, to research papers. In addition to the content listed above, German II PreAP students will read short stories and authentic texts, either print or internet-based, beyond those featured in the textbook. They will also begin preliminary work designed to prepare them for the AP German test, which they are expected to take in German IV AP.

German III PAP (GRM3020Q)

Grade Placement: 11-12 Credit: 1 unit Prerequisites: German II

Advanced grammar at this level includes study of the imperfect tense, the study of present and past conditional imperfect tenses, genitive case, reflexive pronouns, and passive voice. Refinements in composition skills will also be stressed. Advanced reading, speaking, and comprehension skills are emphasized. Literature and situational readings from many sources will be provided. Oral and written proficiency continue to be emphasized.

German IV [AP German Language and Culture] (GRM4030P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 11-12 Credit: 1 unit Prerequisites: German III PreAP

This course challenges students to read, analyze, and discuss literary selections from the Germanic speaking countries. Students will refine the use of complex grammatical structures. Advanced grammar includes the study of the conditional, the subjunctive case, as well as advanced passive sentence constructions. Proficiency in reading, writing, speaking, and listening will be the focus of this course to prepare for the AP placement tests.

Spanish I (SPN1000)

Grade Placement: 9-12 Credit: 1 unit

This course begins with the basic phonetic pronunciation and grammatical rules in Spanish. Students will learn common vocabulary words including numbers, days, months, colors, and terms associated with family, home, food, clothing, weather, sports, and time. The students will learn proper verb conjugation utilizing the present tense. They will be introduced to other tenses through conversational activities. Students will be required to work on vocabulary acquisition outside the classroom. This course provides opportunities for students to listen and read with understanding, speak with correct pronunciation, write in Spanish, and understand how languages are interrelated.

Oral proficiency is a major goal. Students will experience the culture of Spanish speaking countries. *Mandatory materials required in class daily are textbook, workbook and binder. *Students must promptly replace through purchase any missing textbook or workbook to ensure academic success.*

Spanish II (SPN2000)

Grade Placement: 9-12 Credit: 1 unit Prerequisites: Spanish I

This course is a continuation of Spanish I with emphasis of basic grammar and real-life situational vocabulary with correct pronunciation. Correct pronunciation and intonation will be an expectation of the course. Students will be required to **speak in Spanish as a significant portion of their major grade and have knowledge of the present tense of ar, er, and ir verbs**. Students must be able to read selections in Spanish for comprehension, write selected dialogues, and give oral reports. The Internet and current publications may be used to research culture and history for each country studied. Students will be expected to work on vocabulary acquisition outside the classroom. *Mandatory materials required daily in class are textbook, workbook, and notebook. A Spanish dictionary is recommended.*

Spanish II PAP (SPN2020Q)

Grade Placement: 9-12 Credit: 1 unit Prerequisites: Spanish I, Recommendation: Grade "B" or higher in Spanish I

This course is a continuation of Spanish I with emphasis on basic grammar and real-life situation vocabulary with correct pronunciation. In addition, this course is designed to prepare students who will continue with Spanish III PreAP, Spanish IV AP and who will be taking the Spanish AP test. This course is best suited for those students who have completed a two-year Spanish I program or students with very strong Spanish I skills. This course will be taught at a more rigorous pace than regular Spanish II and will be taught in Spanish the majority of the time. Students will be required to **speak in Spanish as a significant portion of their major grade**. Students must be able to read selections in Spanish for comprehension, write selected dialogues and give oral reports. The student will master new verb tenses, complex grammatical structures beyond what is taught in regular Spanish II and practice AP skills. Students will be expected to work on vocabulary acquisition outside of class. *Mandatory materials required in class daily are textbook, workbook, and notebook. Students must promptly replace through purchase any missing textbook or workbook to ensure academic success. Participation in the Spanish Honor Society is strongly encouraged. A Spanish dictionary is recommended.*

Spanish III (SPN3000)

Grade Placement: 10-12 Credit: 1 unit

Prerequisites: Spanish II, Recommendation: Grade “B” or higher in Spanish II

Course content will be taught at a more rigorous pace than previous levels. The student will master new verb tenses and complex grammatical structures. Students will read Spanish short stories, write short essays, and create oral presentations. Extensive use of Spanish is a requirement of this course. Vocabulary acquisition and additional assignments will be completed outside the classroom. The Internet and current publications will be used to research the culture and history of countries studied. *A dictionary is required for this course.*

The students are required to bring their textbook, workbook, dictionary and writing materials to class everyday.

**Students must promptly replace, through purchase, any missing textbook or workbook to ensure academic success. Participation in the Spanish Honor Society is strongly encouraged.*

Spanish III PAP (SPN3020Q)

**Grade Placement: 10-12 Credit: 1 unit
College Credit: 4 hours**

Prerequisites: Spanish II, Teacher Approval, AND enrollment in Lone Star College-Tomball for Dual Credit Students

This course is designed for students who will continue with Spanish IV AP or with course work at the college level. Course content will be taught at a more rigorous pace than previous levels. The student will master new verb tenses and complex grammatical structures. Students will read Spanish short stories, write short essays, and create oral presentations. Rigorous and extensive use of Spanish is a requirement of this course. Vocabulary acquisition and additional assignments will be completed outside the classroom. The Internet and current publications will be used to research the culture and history of countries studied. *Participation in the Spanish Honor Society is strongly encouraged. A dictionary is required for this course.* **This course must be taken at the High School campus.**

Spanish IV [AP Spanish Literature and Culture] (SPN4030P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 11-12 Credit: 1 unit Prerequisites: Spanish III

This class will be conducted entirely in Spanish. This course challenges students to read, analyze and discuss literary selections from Spain and Latin America. Students will refine the use of complex grammatical structures. Advanced proficiency in speaking, listening, reading, and writing will be the focus of this course in preparation for the Advanced Placement Spanish Language Test. The AP exam will be taken in the Spring Semester. A summer assignment will be given out before the end of the previous school year, and will be completed before the beginning of the fall semester. *A Spanish dictionary is required. Participation in the Spanish Honor Society in a capacity of leadership is strongly encouraged.*

Spanish V [AP Spanish Language] (SPN5030P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 12

Credit: 1 unit

Prerequisites: Spanish IV AP

This course is an extension of Spanish IV AP. Students will read a novel and various short stories in the Spanish language by Spanish and Latin American authors. Grammar review will focus on perfecting student's grammar usage as well as acquiring near-native communication skills in all areas. Students are expected to communicate in the Spanish language at all times. In addition, students are expected to seek opportunities to use the language outside of the classroom in order to improve language retention and proficiency. All students will have to take the Advanced Placement Spanish Language Exam by the end of the Spring Semester. A summer assignment will be given out before the end of the previous school year, and will be completed before the beginning of the fall semester. *A Spanish dictionary is required. Participation in the Spanish Honor Society in a capacity of leadership is strongly encouraged.*

Spanish I and II for Native Speakers (SPN6000)

Grade Placement: 9-12

Credit: 1-2 units

Prerequisites: Students fluent Spanish I and Spanish II equivalent in Spanish who have had little or no formal training in their native language; Spanish Diagnostic Entrance Exam; Spanish teacher recommendation based on exam results and oral interview.

This course is designed for the native Spanish-speaking students who are conversant in their native language but need improvement in the grammatical and writing skills. Emphasis will be placed on reading, writing, and higher order thinking skills. Course work will be done at an accelerated pace, covering two years of regular Spanish work in one year and receiving two high school credits. Students are required to bring all their class materials to every class.

Spanish III and IV for Native Speakers (SPN6100)

Grade Placement: 10-12

Credit: 1-2 units

Prerequisites: Spanish I & II for Spanish III and Spanish IV equivalent Native Speakers and Teacher Recommendation

This course is designed for the native Spanish-speaking students who have successfully completed Spanish I for Native Speakers or its equivalent. A continued emphasis will be placed on grammatical reading, writing, and higher order thinking skills. Course work will be done at an accelerated pace and include required supplementary readings and analytical compositions. A summer assignment will be given out before the end of the previous school year and will be completed before the beginning of the fall semester. *A Spanish dictionary is required. Participation in the Spanish Honor Society in a capacity of leadership is strongly encouraged.*

Technology Applications

Return to [Graduation Requirements](#)

Return to [Table of Contents](#)

Business Information Management I (CTE Course) (CMP1100)

Grade Placement: 9-12 Credit: 1 unit

Students develop 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.

Business Information Management I Modified (CTE Course)

Grade Placement: 11-12 Credit: 1 unit Prerequisites: An IEP will be determined by the ARD committee and progress determined its objectives.

This is a full year course for students with disabilities who are also placed in Modified ELA. Modified assignments, mastery criteria, and materials may be utilized as students are familiarized with basic terminology, keyboarding, word processing, spreadsheets, presentation software, and internet use. There is a nonrefundable fee of \$20 to cover computer supplies that become student property.

Business Information Management II (CTE Course) (CMP1200)

Grade Placement: 10-12 Credit: 1 unit Prerequisites: Business Information Management I

Students develop personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software. There is a nonrefundable fee of \$20 to cover computer supplies that become student property.

Web Design (CMP2200)

Grade Placement: 9-12 Credit: 1 unit Prerequisites: None

This is an introductory course in web design. The student will demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. The student will use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning experience of others. They will apply digital tools to gather, evaluate, and use information. They will use critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. They will understand human, cultural, and societal issues related to technology and practices legal and ethical behavior. They will demonstrate a sound understanding of technology concepts, systems, and operations. There is a nonrefundable \$20 fee for computer usage costs and supplies that become student property.

Computer Science I (COS1000)

Grade Placement: 9-12 Credit: 1 unit Prerequisites: Algebra I

This course includes beginning concepts of Object Oriented Programming using Java. In addition to skills of OOP programming in Java the student will be introduced to other programming languages, to data types and structures, and common algorithms. Applications of computing, computer operating systems, and social implications of computers will also be addressed. This course is articulated with Lone Star College - Tomball. There is a nonrefundable \$20 fee for contest costs and supplies that become student property.

Computer Science I PAP (COS1020Q)

Grade Placement: 9-12 Credit: 1 unit Prerequisites: Algebra I

Students will work on related AP Computer Science topics. The students will have exposure to Java programming. Students will cover topics such as: OOP exposure, control structures, object methods, class methods, inheritance and composition, Boolean logic, static and class arrays. Students will learn advanced graphics and animation. There is a nonrefundable \$20 fee for contest costs and supplies that become student property.

Computer Science II (COS2100)

Grade Placement: 10-12 Credit: 1 unit Prerequisites: Algebra I, Computer Science I or Computer Science I PreAP

This course teaches Object Oriented Programming using Java. Students are expected to manage large programs in various case studies. In addition to skills of OOP programming in Java the student will be introduced to other programming languages, to data types and structures, and common algorithms. Applications of computing, computer operating systems, and social implications of computers will also be addressed. Students are expected to participate in computing contests. Students are encouraged to take the AP Computer Science A exam in the spring. There is a nonrefundable \$20 fee for contest costs and supplies that become student property.

AP Computer Science A (COS1030P)

College Credit is achieved by AP testing and individual college approval.

All students enrolled are expected to take the AP Exam.

Grade Placement: 10-12 Credit: 1 unit Prerequisites: Recommended Algebra II, Computer Science I or Computer Science I PreAP

At the conclusion of the course, students should be able to design and implement solutions to problems by writing, running and debugging computer programs; use and implement commonly used algorithms and data structures; develop and select appropriate algorithms and data structures to solve problems; code fluently in an object-oriented paradigm using the programming language Java — students are expected to be familiar with and be able to use standard Java library classes from the AP Java subset; read and understand a large program consisting of several classes and interacting objects — students should be able to read and understand a description of the design and development process leading to such a program; and recognize the ethical and social implications of computer use. There is a nonrefundable \$20 fee for contest costs and supplies that become student property.

Technology Applications Independent Study (COS2000)

Grade Placement: 11-12 Credit: 1 unit Prerequisites: Computer Science AP, Application and Approval

The technology applications curriculum has four strands: foundations, information acquisition, problem solving and communication. Students must submit applications for a major study that includes investigations that focus on all four of these strands. The outline of the investigation must meet approval of the instructor. Student receives credit on a pass/fail basis.

Special Education

Return to [Graduation Requirements](#)

Return to [Table of Contents](#)

Special Education is designed for students who qualify for services according to federal and state guidelines. A full range of course work is offered to meet individual needs, including Modified Classes, Co-teach Classes, In-Class Support (ICS), Specialized Support, and Structured Learning Lab.

Modified Study Skills I-IV

Grade Placement: 9-12

**Credit: 1-4 unit
(LOCAL ONLY)**

Prerequisites: An IEP will be determined by the ARD committee. Progress will be determined by objectives on the IEP.

This course provides opportunities for students with disabilities to complete assignments with assistance from Special Education staff.

Recreation and Leisure

Grade Placement: 9-12

Credit: 1 unit

Prerequisites: An IEP will be determined by the ARD committee. Progress will be determined by objectives on the IEP.

This course is designed to teach students social skills through physical and recreational activities, with a focus on sportsman like conduct, appropriate peer interactions and team building.

Social Skills

Grade Placement: 9-12

Credit: 0.5-1 unit

Prerequisites: An IEP will be determined by the ARD committee. Progress will be determined by objectives on the IEP.

Social competence is an integral component of the academic success of all students. It requires the ability to use a variety of skills, in appropriate settings, to establish and maintain positive relationships. This course will focus on five dimensions of social skills: self-management skills, peer relations skills, academic skills, compliance skills, and assertion skills. A variety of teaching methods will be utilized with a focus on the practical application of the above skills through interactive, hands-on activities. Social Skills encourages the development of social competence through the acquisition of skills, recognition of feelings, clear thinking, problem solving and responsible action in order to promote academic success.

Work Co-operative Programs

Occupational Preparation I-IV

Grade Placement: 9-12

Credit: .5-1 units

Prerequisites: ARD Placement

This course provides classroom introduction in employment skills. Students learn techniques for finding and maintaining employment. The class also focuses on the communication skills of listening, speaking, reading and writing on the job as well as other aspects of employment such as verifying paychecks, checking accounts and budgets. Various career clusters are explored. This course is a prerequisite for students entering the on the job training (OJT) program.

Supported on the Job Training (SOJT)

Grade Placement: 11-12 Credit: 1-2 units Prerequisites: ARD Placement and VAC Approval

This course provides students an opportunity to experience actual working conditions by observing and learning practical skills while working at an actual business. Students working with an employment specialist will acquire social skills as well as task completion skills based on SCANS competencies. This class takes place during regular school hours and is not a school-to-work program where students earn pay. Students must have appropriate behavior in order to be considered for this course.

On the Job Training (OJT)

Grade Placement: 10-12 Credit: 1-2 units Prerequisites: ARD/IEP Placement, Occupational Preparation (may be enrolled concurrently).

This course provides on the job training for students in paid positions for elective credit. Students gain experience while being monitored by both the employer and the vocational adjustment counselor (VAC). In order to earn credit, students must be employed in an approved position within 2 weeks of the beginning of the program. If for any reason the student is released from employment, a new position must be obtained within 2 weeks. **Students must provide their own transportation to and from the job, as they are released early from the campus.**

(Core academic and vocational course offerings are listed under corresponding headings. Below are links.)

[English I – IV Modified](#)

[Algebra I Modified](#)

[Mathematical Models Modified](#)

[Geometry Modified](#)

[College Prep Math Modified](#)

[Biology Modified](#)

[Integrated Physics & Chemistry Modified](#)

[Environmental Systems Modified](#)

[World Geography Modified](#)

[World History Modified](#)

[U. S. History Modified](#)

[U. S. Government Modified](#)

[Economics Modified](#)

[Business Information Management I Modified](#)

Other Programs

Return to [Graduation Requirements](#)

Return to [Table of Contents](#)

Independent Study

Independent Study courses are intended for self-motivated students who have exhausted all other opportunities in a particular subject. Students will conduct in depth research, prepare a product of professional quality and will present their findings to appropriate audiences. An application process is required. Independent Study courses shall earn pass/fail credit.

Student Leadership (LDR1000)

Grade Placement: 10-12 Credit: 1 unit (State Elective)

This course is designed for students who serve in leadership positions as club or class officers. Its purpose is to prepare students to assume specific responsibilities in their positions, as well as motivate them to take responsibility for their future and teach them the skills they will need to succeed as leaders

Local Credits

[Seminar in Mathematics](#)

[Seminar in Science \(Research/Design\)](#)

[Physical Education Substitutes](#) (For the 0.5 credits required locally)

[Modified Study Skills I-IV](#) (Special Education Section)

Student Office Aide (OTH0100)

Grade Placement: 11-12 Credit: 1 unit LOCAL ONLY Prerequisites: Application process

This course is designed for students who have room in their schedule for courses beyond their graduation requirements. The students will be expected to fulfill all duties and responsibilities as determined by their supervisor. **Students are limited to one aide period per semester.**

Off Campus Physical Education

(Year 1-PED9007/8, Year 2-PED9207/8, Year 3-PED9307)

Grade Placement: 9-12 Credit: 0.5-4 Credits Prerequisites: District Approval for student and off campus provider

Category 1 leads to Olympic level participation and/or competition and the student must be enrolled in a private or commercially sponsored activity that includes at least 15 hours per week of highly intense, professionally supervised training. Students may be dismissed from school for one period. Category 2 requires that the student be enrolled in a private or commercially sponsored activity that includes at least 5 hours per week and the student may not be dismissed from school for any part of the school day. Forms are available from the student's counselor and must be submitted by the deadlines: August 15 for the fall semester or year and by December 15 for the spring semester only.

Useful Information

Return to [Table of Contents](#)

Grade Point Average (GPA) / Rank in Class (RIC)

Grade point average (GPA) is expressed as a mathematical average calculated to five decimal places as necessary. GPA is determined by adding eligible semester grades (with quality points earned) and dividing by the total number of credits attempted.

Eligible semester grades earned in grades 9, 10, 11, the fall semester of grade 12 or at graduation shall determine GPA and rank in class (RIC).

Grades for calculating formal GPA are those earned through:

1. The regular school year
2. Approved correspondence courses
3. Grades earned through Credit by Exam
4. Credit by exam for Acceleration
5. Approved dual credit
6. District and other approved summer school programs
7. Approved night school programs
8. Transfer Grades/Credit

In cases of ties among students' weighted GPA's, the District shall:

1. Compute the weighted GPA to five decimal places.
2. Count the number of advanced courses (those weighted above 100 percent) successfully completed.
3. Compute a mathematical average of grades in advanced courses to five decimal places.

TISD High School Grade Point Conversion from a weighted 100 scale to a weighted 4.0 scale.

$$\text{GPA} \div 100 = \text{X4} = \text{GPA(4.0 Scale)}$$

Quality Points

- For students entering a Tomball ISD High School for the school year 2010–2011 and thereafter, quality points shall be used to weight semester grades of 70 and above for calculating GPA and RIC.
- Fifteen (15) points will be added to the semester average to calculate the GPA for students in a Pre-Advanced Placement (Pre-AP), Dual Credit (DC) or an Advanced Placement (AP) class. This weighting applies only to semester averages of 70 and above. Students must remain in the course for the full semester for quality points to be awarded.
- GPA Quality Points
 - Pre-AP Semester grade + 15 points
 - AP/DC Semester grade + 15 points
- **Due to the rigor and interaction necessary for this course, it cannot be replicated in an alternative setting. Any student assigned to an alternative education placement for more than 15 days will be rescheduled into a regular level course and will not receive quality points.**

Credit is awarded when an official transcript is received from the previous accredited school attended. Quality point GPA credit will only be given for those quality point classes offered to Tomball ISD High School Students. (Complete listing in Appendix) The academic achievement record or transcript will indicate the class as Advanced, Pre-AP or AP but it will carry GPA points as a regular class. Grades received from schools who do not have State Board of Education accreditation will not be used for ranking. A Secundaria Certificate issued to a student by the Mexican SEP (Sistema Educativo Nacional) will be recognized by Tomball ISD and earn the following credits: Spanish I (one credit), World History (one credit), Algebra 1 (one credit), IPC (one credit), and General PE (one-half credit). The recorded grade shall be taken from the transcript/report card.

Advanced Placement (AP)

The College Board AP Program gives students the opportunity to pursue college level studies while still enrolled in high school. In order to receive college advanced placement and/or credit for these courses (which are taken on a Tomball ISD High School campus), students **must** take the College Board Advanced Placement exams, which are given in May. Registration and fees for the exams are due in February. Students who receive a 3 or higher on an AP exam receive one advanced measure toward the distinguished plan. There is not a universal guideline for how Colleges accept AP scores.

Placement Decisions for PAP/AP are often one of the more difficult choices that parents face when their students are considering courses for the next school year. The core content courses are offered in Academic, PreAP, AP, and Dual Credit. The decision to enroll in advanced classes ultimately rests with parents and students. The school can provide powerful input through teacher recommendation, communication with parents regarding the challenges of the advanced curriculum, and information about indicators of student success. Advanced courses are designed to challenge motivated students and prepare them for success in college level course work in high school and in college. These courses typically move at a faster pace, are more academically challenging and require more independent learning and homework than academic courses.

A few important factors to keep in mind are:

- Tomball ISD's Academic curriculum is a college-bound curriculum.
- While PAP courses are designed to better prepare students for AP, PAP courses are not a requirement for enrolling in AP courses.
- Some AP courses have course prerequisites that must be completed. For example, science courses often have a mathematics course as a prerequisite. Check the course description for prerequisites.
- PAP is not "all or nothing." Students may take from one to all of their core classes as PAP.
- Students develop academic readiness at different rates and may not be ready for PAP at the same time as their friends or classmates.
- For most courses it is possible to move from academic to the PAP sections. In mathematics, it is more difficult due to the acceleration of content in 6th and 7th grades. A student who decides to move from Academic to PAP mathematics may require some additional support in making the transition.

Profile of a Successful PAP/AP Student:

- Professes interest in subject selected
- Develops and maintains excellent study skills and habits
- Carefully considers time commitments and balances academic load with family life or outside commitments
- Asks questions and participates in class
- Perserveres when faced with challenging material
- Asks for assistance when needed
- Plans and works ahead on long term projects

Student requests for schedule changes must be made in writing and received in the counseling office by the designated deadline date. Only necessary administrative changes will be made after classes begin. Changes are necessary under the following conditions:

1. The student already has credit in a course listed on the current schedule.
2. The student does not have the prerequisite for a course on the current schedule
3. The senior student needs a course for graduation this school year, and it is not on the current schedule.
4. The student receives a “D” or “F” in a PAP/AP/DC level course and the teacher and/or the parent recommends that the student change to the same course at the regular level. These changes will only occur after the 3rd week based on the Progress Report, the end of the first grading period, or the end of the semester in consideration of the student.
5. After consultation with the teacher, students may withdraw from band, dance, cheerleading, color guard, JROTC, or athletics at any time, but in each case, they will be assigned to regular physical education classes. This could result in rearrangement of class periods.

Credit by Examination

TISD offers credit by examination for high school students. Eligible students who have had previous instruction include 1) students who have taken and failed the course with an average of 60 or better, 2) home schooled students, and 3) students from non-accredited schools. In order to receive credit, students **must score** a 70 or higher on the exam. Grades will be recorded on the transcript. Credit by exam tests are administered once per month. *See your counselor for details.*

Electronic Course Offerings

TISD offers students the opportunity to gain credit for some high school level courses through electronic courses offered by the state virtual school network. The course must meet the state standards at the same rigor as those provided by the district in a traditional classroom setting. The course may not be inconsistent with the student’s high school graduation plan. The course may not negatively affect the student’s performance on an assessment instrument administered by the state. The time of enrollment must be consistent with the enrollment period established by the district providing the course. The cost of electronic courses is set by the provider and range from \$200 to \$400 per semester and are the responsibility of the student.

Examination for Acceleration

TISD offers students the opportunity to gain credit for some courses through appropriate examinations. Students with **no previous instruction** in the course may request examination for acceleration and must score a minimum of 90% on each exam in a subject area to be awarded credit. No grade points will be earned for GPA calculation. Exams for acceleration tests are only administered during the summer. *See your counselor for details.*

This program is designed to meet the individual needs of students and to help them develop to their fullest potential. Expected outcomes include: the development of higher level critical and creative thinking skills, participation in independent learning, development of abstract reasoning ability, engagement in intensive and extensive enrichment, application of problem solving skills/techniques, interaction in academic dialogue, and development of independent and guided research skills. The program includes choices from a full range of College Board Pre Advanced and Advanced Placement Classes, and Independent Studies. A wide range of extracurricular offerings provide additional opportunities for students to participate in and pursue individual interests, including: Academic Decathlon, Academic Challenge and UIL activities.

Senior Release

Senior release is available to students in the 12th grade with prior approval. See the counselors for criteria.

Appendix

Return to [Table of Contents](#)

Dual Credit – Tomball Campus - Frequently Asked Questions

What is Dual Credit?

Dual credit is part of the Lone Star College Systems exceptional admissions program. It is especially designed for junior and senior secondary education students who qualify to earn high school and college credit simultaneously while still in high school. Lone Star College System colleges have agreements with several high school districts that permit eligible high school students to earn college credit while satisfying high school graduation requirements at the same time.

Upon approval by the high school principal or designee and college admission through the exceptional admissions program, a student may enroll in college courses taught at the high school campus. For more information regarding the dual credit program, contact your high school counselor. General dual credit information is also available at www.lonestar.edu.

What is the Dual Credit class load? Are there restrictions?

State regulations allow a dual credit student to take a maximum of two college credit courses per semester. When indicators such as grade point average or assessment scores indicate a student may have the academic ability to handle more than two courses, exceptions may be granted by the college's instructional vice president or designee. High school sophomores and/or students under 16, at the time they enroll in the course, must also be approved by the college instructional vice president or designee. When seeking college approval it is recommended students provide an unofficial high school transcript along with test scores.

What is the cost?

Tuition rate is based on an agreement between TISD and LSC system. Fees will be assessed at the regular rate and payable directly to the college.

Will I earn college credit for these dual credit classes?

Yes. Dual credit courses are real college courses. All dual credit students are given the same rights and privileges as other Lone Star College-Tomball students. The grades earned in dual credit courses become a permanent part of a student's college transcript.

Can I take a college Physical Education class?

Yes, with Tomball ISD approval.

Can I take a dual credit class on the college campus?

Physical Education is the only course that can be taken on the college campus (with TISD approval).

What are the benefits of the Dual Credit program?

Return to [Table of Contents](#)

By participating in the dual credit program, you have the opportunity to make significant progress toward your college degree before finishing high school. In addition:

Tuition is discounted and therefore costs less than regular college courses.

You are an official college student having access to the full range of services offered by Lone Star College-Tomball. These include college academic and career planning services, full resources of the library, the use of the Wellness Center, computer labs, academic support services, and the student centers on campus.

You also have the opportunity to learn what college professors expect while still in familiar high school surroundings close to home. Courses are taught at the high school campus.

Dual Credit courses are fully transferable to public colleges and universities in Texas and generally transferable to other colleges and universities throughout the United States. We recommend you always check with the receiving institution as it is their decision whether to accept classes from another college and how to count them if they are accepted.

By participating in the dual credit program, you will acquire the confidence to succeed academically and personally in college, making the transition to college much easier.

How does a student “qualify” for the program?

In order for students to be eligible for dual credit, the following must be in place:

The student is currently enrolled in a TISD high school

The student has an updated LSCS application on file

The student meets the requirements for exceptional admissions

The student has taken an approved assessment and meets the Texas Success Initiative (TSI) and LSC Student Success Initiative (SSI)

The student must meet prerequisites in the areas that are applicable to the course

The student has approval from high school designee, college designee and parent/guardian

What is TSI and SSI?

Under the Texas Success Initiative (TSI) students will be assessed to determine when they are ready to enroll in college-level courses. The Lone Star College Student Success Initiative (LSC-SSI) implements appropriate prerequisites for all courses. All dual credit courses have college-level reading and writing prerequisites. Math prerequisites vary depending on the course. Before registering for courses, a student must complete designated prerequisites. Such requirements are indicated as part of the college course description and are subject to change. See the online Lone Star catalog for current placement scores and individual course requirements. <http://www.lonestar.edu/lscs-catalog.htm>. These prerequisites will assure that students have the ability to succeed in courses at the collegiate level.

How does the student meet the TSI requirement?

Return to [Table of Contents](#)

- Exempt, from further assessment, based on ACT, SAT, Exit TAKS scores.
- Only juniors earning dual credit can use their PSAT/NMSQT scores taken during the 10th grade as an exemption from testing. Additional testing in math may be required by the college. This does not apply to seniors even though they may have used this exemption for their junior year.
- Achieving the minimum passing standard on COMPASS, ACUPLACER, ASSET, or THEA. High school counselors or college dual credit advisers can assist students in this area.

Admittance for all dual credit courses is based on Reading and Writing scores at the College level of 1301. Math score requirements vary depending on course number. See the Lone Star catalog for specific course requirements. High schools may require additional criteria or forms before allowing students to register for courses. Please speak to your guidance counselor before attempting to register for any college courses while in high school.

Do I have to pay for the Placement Exam?

Not the first time! Lone Star College-Tomball waives the fees for the COMPASS or ACCUPLACER placement exams for first time dual credit students. If you don't pass and have to retest, the cost is \$10 per section. Please keep in mind that there is a 30-day wait before retesting the same test.

How do I enroll in the Dual Credit program?

1. Talk to your HS Counselor about Dual Credit offerings.
2. Complete online college application at www.lonestar.edu.
3. Demonstrate College Readiness through a placement exam in reading, writing and math or be exempt from further assessment. Preparation for testing is recommended prior to testing.
4. Complete the necessary forms. You will need a Dual Credit/Exceptional Admissions Approval form, and any others your school requires. Math courses require an unofficial transcript
5. Turn all of your scores and forms into your HS Counselor by the high school deadline for an approval signature. Please check with your counselor to determine when these forms are due and be sure you have entered your college ID and both your signature and a parent's signature on the form. Your college ID is assigned at the time of completion of the college application.
6. Register, in person, for the college classes at Lone Star Enrollment Services by the high school deadline.
7. Pay Lone Star for tuition and fees, when applicable, by the high school deadline.

Are dual credit courses right for me?

Only the students, with the input of their parents/guardians and counselors, can answer this question. Please keep in mind the student needs to be dedicated to the demands of the course and, if applicable, the time commitments in other courses and extra-curricular activities.

How do high school students get books for the college classes?

This may vary by high school and by course, so students should contact their instructors.

What is the grading scale?

Return to [Table of Contents](#)

The grading scale is exactly the same as that of the high school. High school students must complete each college course attempted with a semester grade of “C” or better in order to continue in the exceptional admissions program.

How do I get my final grades and/or transcript?

Students may order Lone Star transcripts through the National Student Clearinghouse (accessed online; more information at <http://www.lonestar.edu/transfer-transcript.htm>). There is a \$9 charge per transcript. Unofficial transcripts are available through the student’s MyLoneStar account.

For a P. E. course taken at the college campus (with high school approval), a college transcript showing completion and grade must be submitted to the high school counselor prior to the beginning of the next high school semester. If the course takes place in the final semester of a graduating senior, submit the transcript at least two weeks prior to graduation.

Will I receive quality points for dual credit?

Yes, except physical education. No additional weight is given for college P.E. courses. Quality points are only given by the high school when figuring GPA and rank.

How do students withdraw from a college class once registered?

You must see your high school counselor and withdraw from the college as well as from the high school. Withdrawal from a college course after the college’s official day of record will result in a mark of “W” on the college transcript. It is the student’s responsibility to initiate a request for withdrawal from any registered college course. The withdrawal will only be processed at the college if the student submits the required withdrawal. This form is available from the high school counselor.

Can the college withdraw a student from a college course?

Yes, high school students who earn a semester grade lower than a “C” will not be allowed to register for any dual credit course the following semester. If already registered, the college will automatically drop the student from their roles.

Dual-Credit Courses Warning

Enrollment in Lone Star College-Tomball Dual-Credit Courses is subject to the student meeting ALL enrollment requirements prior to the beginning of the Tomball ISD semester calendar.

These requirements include:

- Students must be classified as juniors or seniors.
- Students must pass previous year’s state assessment in the content area.
- Students must meet the THEA (Texas Higher Education Assessment) requirement.

NOTE: Dual Credit students waive their rights to High School Exam Exemptions.

Exceptional College Admissions Requirements

Return to [Table of Contents](#)

All Dual Credit courses require students to be college level in Reading and Writing.

High School Course	College Course	Additional College Requirements
English III/IV DC Credit: 1 Unit	Composition & Rhetoric I & II English 1301 & 1302 Credit: 6 Hours	
English IV DC Credit: 1 Unit	Masterpieces of World Literature I & II English 2332 & 2333 Credit: 6 Hours	Requires completion of English 1301 and 1302
Independent Study College Algebra DC Credit: 1 Unit	College Algebra Math 1314 Credit: 3 Hours	Math 1314 level
Calculus I AB DC Credit: 1 Unit	Calculus I Math 2413 Credit: 4 Hours	Upper level math requirements Math 2413 or higher plus B, or above average in High School Precalculus
Calculus I and II BC DC Credit: 2 Units	Calculus I & II Math 2413 & 2414 Credit: 8 Hours	Math 2413
Statistics DC Credit: 1 Unit	Intro to Statistics Math 1342 Credit: 3 Hours	Upper level math requirements Math 1342 or higher
Biology DC (Fall) Credit: 1 Unit	BIOL 1406 Credit: 4 Hours	Math at 0310 level
Biology DC (Spring) Credit: 1 Unit	BIOL 1407 Credit: 4 Hours	Biology DC (Fall)
General Chemistry DC Credit: 1 Unit	General Chemistry I CHEM 1411 Credit: 4 Hours	Math at 1316 level or take 1314 concurrently
Anatomy & Physiology DC Credit: 1 Unit	Intro to Anatomy & Physiology Biology 2401 Credit: 4 Hours	Math at 0310 level
US History DC Credit: 1 Unit	United States History I & II History 1301 & 1302 Credit: 6 Hours	
US Government DC Credit: 1 Unit	Government 2305 Credit: 3 Hours	

Quality Point Chart
Return to [Table of Contents](#)

15 Quality Points are added to the grades of the following courses.*

English	Math	Languages
English I PAP	Geometry PAP	French II and III PAP
English II PAP	Algebra II PAP	French IV AP
English III Dual Credit Language & Composition	Precalculus PAP	German II and III PAP
AP English Language and Composition (AP English III)	AP Statistics or Statistics Dual Credit	German IV AP
English IV Dual Credit Language & Composition	Independent Study College Algebra Dual Credit	Spanish II PAP
English IV Dual Credit Literature and Composition	AP Calculus AB or AB Calculus I Dual Credit	Spanish III PAP or Spanish III Dual Credit
AP English Literature and Composition (AP English IV)	AP Calculus BC or BC Calculus I and II Dual Credit	AP Spanish Literature (Spanish IV) AP Spanish Language (Spanish V)
Social Studies	Science	Fine Arts/Electives
World Geography Studies PAP	Biology PAP	Art III Drawing PAP
World History Studies PAP	AP Biology or Biology Dual Credit	Art III Sculpture PAP
AP World History	Chemistry PAP	AP Art Drawing
AP United States History or United States History Dual Credit	AP Chemistry (Chemistry II AP) General Chemistry Dual Credit	AP Studio Art: 2-D Design
AP U. S. Government and Politics U. S. Government Dual Credit	Physics PAP	AP Studio Art: 3-D Design
AP Macroeconomics	AP Physics B AP Physics C	AP Computer Science A
	AP Environmental Science	AP Music Theory
	Anatomy and Physiology of Human Systems PAP or Dual Credit	AP Psychology

***Due to the rigor and interaction necessary for this course, it cannot be replicated in an alternative setting. Any student assigned to an alternative education placement for more than 15 days will be rescheduled into a regular level course and will not receive quality points.**

Advanced Classes Identified for No Pass, No Play Exemption

[Return to Table of Contents](#)

SB 1517 amending Section 33.081, Education Code: Defines and restricts the courses that are exempt from the passing grade requirement for students to be eligible to participate in extra-curricular activities. The courses that are exempt include Pre-Advanced Placement (PreAP), Advanced Placement [AP] and Dual Credit (DC) courses in the subjects of English Language Arts, Mathematics, Science, Social Studies and Languages other than English. Students may make a 60 in 2 PreAP/AP courses and still remain UIL eligible.

ENGLISH LANGUAGE ARTS

- English I PAP, English II PAP
- AP English Language & Composition (AP English III)
- English IV Language and Composition DC
- AP English Literature & Composition (AP English IV) and English IV Literature & Composition DC

LANGUAGES OTHER THAN ENGLISH

- French II PAP, French III PAP
- AP French Language and Culture (French IV)
- German II PAP, Spanish III PAP
- AP German Language and Culture (German IV)
- Spanish II PAP, Spanish III PAP or Spanish III DC
- AP Spanish Literature and Culture (Spanish IV)
- AP Spanish Language (Spanish V)

MATHEMATICS

- Algebra II, Geometry, Precalculus PAP
- Independent Study College Algebra DC
- AP Calculus AB or Calculus AB DC
- AP Calculus BC or Calculus BC DC
- AP Statistics or Statistics DC

SCIENCE

- Biology (PAP)
- AP Biology or Biology DC
- Anatomy & Physiology PAP or Anatomy & Physiology DC
- Chemistry PAP
- AP Chemistry or Chemistry DC
- Physics PAP
- AP Physics B
- AP Physics C
- AP Environmental Science

SOCIAL STUDIES

- World Geography Studies PAP
- World History Studies PAP or AP World History
- AP United States History or American History DC
- AP U.S. Government or (U.S. Government DC)
- AP Macro Economics
- AP Psychology

Academic Letter Jacket Guidelines

Return to [Table of Contents](#)

This award is to encourage and recognize students with outstanding performance in the area of academics.

Beginning with the 2011-12 school year, a student may become eligible to receive an academic letter jacket from Tomball ISD if all of the following conditions are academically met during an individual school year starting at the freshman level of high school:

1. The student must be enrolled in 7 or more classes, yielding 7 or more credits, of which must include a Math, Science, Social Studies, and English class.
2. The student must be enrolled and complete at least two PAP, AP, or DC level courses for the academic year.
3. A student must have a grade of 90 or above in every course at the end of a report card period as printed on the report card document. No extra points are added for PAP, AP, or DC courses in regards to “academic lettering.”

Academic letter jackets will be of the same color and type as letter jackets ordered in the areas of athletics and fine arts. The “letter” awarded shall be identified in the area of recognition by an embroidered “Lamp of Learning.” Students who are eligible for this award must make application to the principal’s office for official recognition.

ALTERNATIVE METHODS FOR EARNING CREDIT DISTANCE LEARNING (EHDE LEGAL)

Return to [Table of Contents](#)

DISTANCE LEARNING AND CORRESPONDENC E COURSES

Credit toward state graduation requirements may be granted for distance learning and correspondence courses only as follows:

1. The institution offering the correspondence course is The University of Texas at Austin, Texas Tech University, or another public institution of higher education approved by the Commissioner.
2. Students may earn course credit through distance learning technologies, such as satellite, Internet, two-way videoconferencing, online courses, the Texas Virtual School Network (TxVSN), and instructional television.
3. The distance learning and correspondence courses must include the state-required essential knowledge and skills for such a course.

19 TAC 74.23

TEXAS VIRTUAL SCHOOL NETWORK

The TxVSN is a state-led initiative for online learning authorized by Education Code Chapter 30A. The TxVSN is a partnership network administered by TEA in coordination with regional education service centers (ESCs), Texas public school districts and charter schools, and institutions of higher education. The TxVSN is comprised of two components—the online school (OLS) program and the statewide course catalog.

19 TAC 70.1001(4)

ONLINE SCHOOL (OLS) PROGRAM

“Online School (OLS) program” is a full-time, virtual instructional program that is made available through an approved course provider and is designed to serve students in grades 3–12 who are not physically present at school. *19 TAC 70.1001(7)*

A TxVSN OLS may serve students in grades 3–12 but may not serve students in kindergarten–grade 2.

A school district wishing to operate a TxVSN OLS in order to serve students in full-time virtual instruction shall, prior to the start of each academic year, notify TEA of grade levels to be served and the total number of students to be served during that academic year. A school district may not add grade levels after the start of the school year.

A TxVSN OLS or a school district wishing to begin operating a TxVSN OLS shall certify that the OLS has courses sufficient to comprise a full instructional program for each grade level served by the OLS prior to serving that grade level.

School districts approved to serve as TxVSN OLSs shall follow the TEA procedures related to obtaining a campus number for the virtual campus through which they serve their TxVSN OLS students.

School districts serving as TxVSN OLSs must follow all requirements in 19 Administrative Code 70.1011.

19 TAC 70.1011

**STATEWIDE
COURSE
CATALOG
COURSE
PROVIDERS**

“Statewide course catalog” is a supplemental online high school instructional program available through approved providers. *19 TAC 70.1001(10)*

A TxVSN course provider is an entity that provides an electronic course through the TxVSN. Course providers include TxVSN OLSs and providers in the statewide course catalog. *19 TAC 70.1001(8)*

**ELECTRONIC
COURSE**

“Electronic course” means an educational course in which:

1. Instruction and content are delivered primarily over the Internet;
2. A student and teacher are in different locations for a majority of the student’s instructional period;
3. Most instructional activities take place in an online environment;
4. The online instructional activities are integral to the academic program;
5. Extensive communication between a student and a teacher and among students is emphasized; and
6. A student is not required to be located on the physical premises of a school district or open-enrollment charter school.

An electronic course is the equivalent of what would typically be taught in one semester. For example: English IA is treated as a single electronic course and English IB is treated as a single electronic course.

Education Code 30A.001(4); 19 TAC 70.1001(1)

OLS ELIGIBILITY

To be eligible to serve as a TxVSN OLS, a school district shall:

1. Have a current accreditation status of Accredited under 19 Administrative Code 97.1055 (relating to Accreditation Status);
2. Be rated acceptable under Education Code 39.054;
3. Be rated at the Standard Achievement level or higher under the state financial accountability rating system under 19 Administrative Code 109.1003 (relating to Types of Financial Accountability Ratings);
4. Have met statutory requirements for timely submission of annual audit and compliance reports, Public Education Information Management System (PEIMS) reports, and timely deposits with the Teacher Retirement System, with all records and reports reflecting satisfactory performance; and
5. Be in good standing with other programs, grants, and projects administered through TEA.

19 TAC 70.1009(a)

COURSES

All electronic courses to be made available through the TxVSN shall be reviewed and approved prior to being offered in accordance with the course requirements at 19 Administrative Code 70.1005. *19 TAC 70.1005(a)*

An electronic course or program that was offered or could have been offered during the 2008–09 school year under former Education Code 29.909, as that section existed on January 1, 2009, may be offered during a subsequent school year through the TxVSN. *Education Code 30A.006*

STUDENT ELIGIBILITY GENERALLY

A student is eligible to enroll in a TxVSN course only if the student:

1. On September 1 of the school year is younger than 21 years of age or is younger than 26 years of age and entitled to the benefits of the Foundation School Program under Education Code 42.003;
2. Has not graduated from high school; and
3. Is otherwise eligible to enroll in a public school in this state.

A student is eligible to enroll full-time in courses provided through the TxVSN only if:

1. The student was enrolled in a public school in this state in the preceding school year; or
2. The student has been placed in substitute care in this state, regardless of whether the student was enrolled in a public school in this state in the preceding school year.

EXCEPTION FOR MILITARY DEPENDENTS

A student is eligible to enroll in one or more TxVSN courses or enroll full-time in courses provided through the network if the student:

1. Is a dependent of a member of the United States military;
2. Was previously enrolled in high school in this state; and
3. No longer resides in this state as a result of a military deployment or transfer.

PROVISIONAL ENROLLMENT

If a student has not provided required evidence of eligibility to enroll, a TxVSN OLS may enroll a student provisionally for ten school days and withdraw the student from the OLS if the student does not provide the required evidence of eligibility within ten school days of the provisional enrollment.

Upon enrolling a student provisionally, the TxVSN OLS shall notify the student and the student's parents or guardians that the student will be withdrawn if documentation is not provided within the required timeframe.

Education Code 30A.002; 19 TAC 70.1013

ENROLLED STUDENTS

A student who is enrolled in the District as a full-time student may take one or more electronic courses through the TxVSN. *Education Code 30A.107(b)*

UNENROLLED STUDENTS

A student who resides in this state but who is not enrolled in a school district or open-enrollment charter school in this state as a full-time student may, subject to Education Code 30A.155, enroll in electronic courses through the TxVSN. The student:

1. May not in any semester enroll in more than two electronic courses offered through the TxVSN;
2. Is not considered to be a public school student;
3. Must obtain access to a course provided through the network through the school district or open-enrollment charter school attendance zone in which the student resides;
4. Is not entitled to enroll in a course offered by a school district or open-enrollment charter school other than an electronic course provided through the network; and
5. Is not entitled to any right, privilege, activities, or services available to a student enrolled in a public school, other than the right to receive the appropriate unit of credit for completing an electronic course.

Education Code 30A.107(c)

ENROLLMENT, ADVANCEMENT, AND WITHDRAWAL

A student taking a course through the TxVSN statewide course catalog or a TxVSN OLS program is considered to:

1. Be enrolled in a TxVSN course when he or she begins receiving instruction and actively engages in instructional activities in a TxVSN subject area or course;
2. Have successfully completed a course if the student demonstrates academic proficiency and earns credit for the course, as determined by the TxVSN teacher; and
3. Be, and must be reported as, withdrawn from the TxVSN when the student is no longer actively participating in the TxVSN course or program.

A student taking a course through the TxVSN statewide course catalog:

1. Shall enroll in each TxVSN course through the TxVSN online registration system;
2. Shall be assigned a grade by the TxVSN teacher after the drop period established by TxVSN central operations;
3. May withdraw from a course taken through the TxVSN after the instructional start date without academic or financial penalty within the drop period established by TxVSN central operations; and
4. Shall have the grade assigned by the TxVSN teacher added to the student's transcript by the student's home district.

A student enrolled full time in grades 3–8 must demonstrate academic proficiency sufficient to earn promotion to the next grade, as determined by the TxVSN teacher for the educational program.

19 TAC 70.1015

COMPULSORY ATTENDANCE

Texas public school students are not required to be in physical attendance while participating in courses through a TxVSN OLS or the TxVSN course catalog. Based upon successful completion of a TxVSN course for students in grades 9–12 or a TxVSN OLS instructional program for students in grades 3–8, students are considered to have met attendance requirements for that course or program. A student who has successfully completed the grade level or course is eligible to receive any weighted funding for which the student is eligible. For audit purposes, TxVSN course providers and TxVSN receiver districts shall maintain documentation to support the students' successful completion and to support verification of compulsory attendance.

“TxVSN receiver district” means a Texas public school district that has students enrolled in the school district who take one or more online courses through the TxVSN statewide course catalog.

19 TAC 70.1001(9), .1017

LOCAL POLICY

The District shall adopt a written policy that provides students enrolled in the District with the opportunity to enroll in electronic courses provided through the TxVSN statewide course catalog. The policy must be consistent with the requirements regarding notice, enrollment requests, and students with disabilities as described below. The District shall, at least once per school year, send to a parent of each District student enrolled at the middle or high school level a copy of the policy. The District may send the policy with any other information that the District sends to a parent.

Education Code 30A.007; 19 TAC 70.1033

NOTICE

At the time and in the manner that the District informs students and parents about courses that are offered in the District's traditional classroom setting, the District shall notify parents and students of the option to enroll in an electronic course offered through the TxVSN.

REQUESTS TO ENROLL

Except as provided below, the District may not deny the request of a parent of a full-time student to enroll the student in an electronic course offered through the TxVSN.

The District may deny a request to enroll a student in an electronic course if:

1. A student attempts to enroll in a course load that is inconsistent with the student's high school graduation plan or requirements for college admission or earning an industry certification;
2. The student requests permission to enroll in an electronic course at a time that is not consistent with the enrollment period established by the district providing the course; or
3. The District offers a substantially similar course.

The district providing the course shall make all reasonable efforts to accommodate the enrollment of a student in the course under special circumstances. If a parent of a student requests permission to enroll the student in a TxVSN course, the District has discretion to select a course provider approved by TEA for the course in which the student will enroll based on factors including the informed choice report required by Education Code 30A.108(b).

APPEALS

A parent may appeal to the Commissioner the District's decision to deny a request to enroll a student in an electronic course offered through the TxVSN. The Commissioner's decision under this subsection is final and may not be appealed.

Education Code 26.0031; 19 TAC 70.1035

STUDENTS WITH DISABILITIES

For purposes of the policy, the determination of whether or not an electronic course will meet the needs of a student with a disability shall be made by the student's admission, review, and dismissal (ARD) committee in a manner consistent with state and federal law, including the Individuals with Disabilities Education Act, 20 U.S.C. 1400 et seq., and Section 504 of the Rehabilitation Act of 1973, 29 U.S.C. Section 794. *Education Code 30A.007(b)*

REQUIRED ENROLLMENT PROHIBITED

The District or open-enrollment charter school may not require a student to enroll in an electronic course.

Education Code 30A.107(d)

INDUCEMENTS FOR ENROLLMENT PROHIBITED

A course provider may not promise or provide equipment or any other thing of value to a student or a student's parent as an inducement for the student to enroll in an electronic course offered through the TxVSN. The Commissioner shall revoke approval of electronic courses offered by a course provider that violates this prohibition. The Commissioner's action under this section is final and may not be appealed.

Education Code 30A.1052

COURSE PORTABILITY

A student who transfers from one educational setting to another after beginning enrollment in an electronic course is entitled to continue enrollment in the course.

Education Code 30A.1051; 19 TAC 70.1015(d)

STUDENT ASSESSMENT

All Texas public school students enrolled in the TxVSN are required to take the statewide assessments as required in Education Code 39.023 [see EKB]. The administration of the assessment instrument to the student enrolled in the electronic course must be supervised by a proctor.

The District shall report to the Commissioner through the Public Education Information Management System (PEIMS) the results of assessment instruments administered to students enrolled in an electronic course offered through the TxVSN separately from the results of assessment instruments administered to other students.

All districts participating in the TxVSN OLS program are included in the state's academic accountability system.

Education Code 30A.110; 19 TAC 70.1023

FUNDING

The district in which a student is enrolled is entitled to funding under Education Code Chapter 42 for the student's enrollment in a TxVSN course in the same manner that the district is entitled to funding for the student's enrollment in courses provided in a traditional classroom setting, provided that the student successfully completes the electronic course.

Funding is limited to a student's enrollment in not more than three electronic courses during any school year, unless the student is enrolled in a full-time online program that was operating on January 1, 2013.

Education Code 30A.153

The District may decline to pay the cost for a student of more than three yearlong electronic courses, or the equivalent, during any school year unless the student is enrolled in a full-time online program that was operating on January 1, 2013. If the District declines to pay the cost, a student is able to enroll in additional electronic courses at the student's cost. *Education Code 26.0031(c-1)*

COURSE COST

The District may charge the course cost for enrollment in a TxVSN course to a student who resides in this state and:

1. Is enrolled in the District as a full-time student with a course load greater than that normally taken by students in the equivalent grade level in other school districts; or
2. Elects to enroll in a TxVSN course for which the District in which the student is enrolled as a full-time student declines to pay the cost as authorized by Education Code 26.0031(c-1).

The District may charge the course cost for enrollment in a TxVSN course during the summer.

The District shall charge the course cost for enrollment in a TxVSN course to a student who resides in this state and is not enrolled in a school district or open-enrollment charter school as a full-time student.

A TxVSN course cost may not exceed the lesser of the cost of providing the course or \$400.

A district that is not the course provider may charge a student enrolled in the district a nominal fee, not to exceed \$50, if the student enrolls in a TxVSN course that exceeds the course load normally taken by students in the equivalent grade level.

A TxVSN statewide course catalog provider shall receive:

1. No more than 70 percent of the catalog course cost prior to a student successfully completing the course; and
2. The remaining 30 percent of the catalog course cost when the student successfully completes the course.

Education Code 30A.155(a)-(c-1); 19 TAC 70.1025

EDUCATORS OF ELECTRONIC COURSES

Each teacher of an electronic course, including a dual credit course, offered through the TxVSN by a course provider must be certified under Education Code Chapter 21, Subchapter B, to teach that course and grade level or meet the credentialing requirements of the institution of higher education with which they are affiliated and that is serving as a course provider.

In addition, each teacher must successfully complete one continuing professional development course specific to online learning every three years, and:

1. Successfully complete a professional development course or program approved by TxVSN central operations before teaching an electronic course offered through the TxVSN; or
2. Have a graduate degree in online or distance learning and have demonstrated mastery of the International Association for K–12 Learning (iNACOL) National Standards for Quality Online Teaching; or
3. Have two or more years of documented experience teaching online courses for students in grades 3–12 and have demonstrated mastery of the iNACOL National Standards for Quality Online Teaching.

Each teacher of an electronic course, including a dual credit course, offered through the TxVSN by a course provider must meet highly qualified teacher requirements under the Elementary and Secondary Education Act, as applicable.

School districts and charter schools serving as TxVSN course providers shall affirm the preparedness of teachers of TxVSN electronic courses to teach public school-age students in a highly interactive online classroom and shall:

1. Maintain records documenting:
 - a. Successful initial completion of TxVSN-approved professional development, evidence of prior online teaching, or a graduate degree in online or distance learning; and
 - b. Teachers' demonstrated mastery of the iNACOL National Standards for Quality Online Teaching prior to teaching through the TxVSN;
2. Maintain records of successful completion of continuing professional development;
3. Maintain records documenting successful completion of TxVSN-approved professional development before the end of the school year for any teacher who is hired after the school year has begun; and
4. Make the records specified in this subsection available to TEA and TxVSN central operations upon request.

19 TAC 70.1027

REVOCATION

The Commissioner may revoke the right to participation in the TxVSN based on any of the following factors:

1. Noncompliance with relevant state or federal laws;
2. Noncompliance with requirements and assurances outlined in the contractual agreements with TxVSN central operations and/or these provisions and Education Code Chapter 30A; or
3. Consistently poor student performance rates as evidenced by results on statewide student assessments, student withdrawal rates, student completion rates, successful completion rates, or campus accountability ratings.

19 TAC 70.1029

APPLICABILITY

Unless the District chooses to participate in providing an electronic course or an electronic diagnostic assessment under Education Code Chapter 30A to a student who is located on the physical premises of the District or open-enrollment charter school, Chapter 30A does not affect the provision of a course to such a student.

Requirements imposed by or under Education Code Chapter 30A do not apply to a virtual course provided by the District only to District students if the course is not provided as part of the TxVSN.

Education Code 30A.004

**ALTERNATIVE METHODS FOR EARNING CREDIT
DISTANCE LEARNING (EHDE LOCAL)**

**TEXAS VIRTUAL
SCHOOL
NETWORK**

The Superintendent or designee shall establish procedures for students to enroll in courses provided by the Texas Virtual School Network (TxVSN).

Enrollment in courses through the TxVSN shall not be subject to limitations established for other distance learning courses.

**OTHER DISTANCE
LEARNING**

The Superintendent or designee shall establish procedures governing the use of other distance learning courses, including correspondence courses, as a means of earning credit in a subject or course. In order to receive credit, a student shall obtain approval from the principal or designee prior to enrollment in the course.

**ASSIGNMENT FOR
CREDIT
RECOVERY**

The principal, designee, or attendance committee, as applicable, may assign a student as often as necessary to distance learning courses, including correspondence courses, for the purpose of credit recovery.

**LIMITS ON
REQUESTS**

Apart from assignment for credit recovery, the principal or designee shall grant a student's requests for approval for enrollment in no more than two distance learning courses for state-required credits for graduation and shall not approve enrollment in more than one such course at a time.

Based on a student's circumstances and in accordance with criteria established in administrative procedures, the Superintendent or designee may grant exceptions to these limitations.