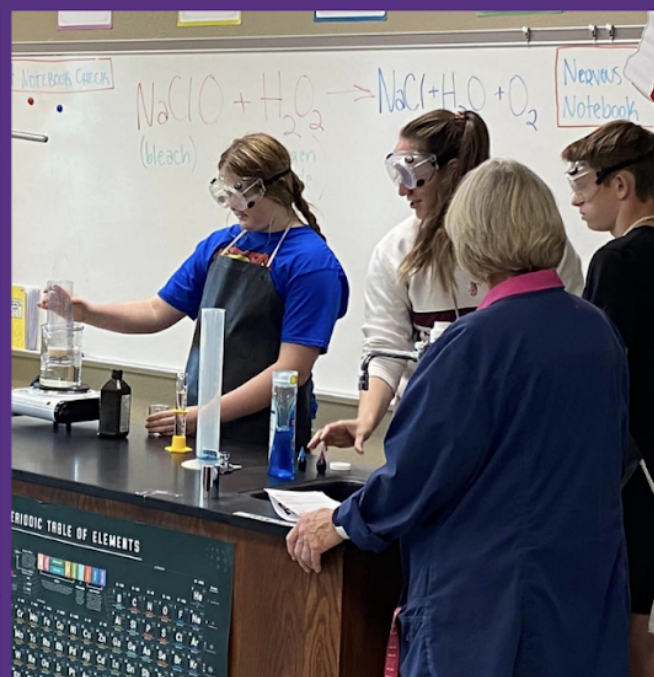


High School

COURSE PLANNING

GUIDE

2023-2024





Vision and Mission

Vision

Building Champions in Academics, Character, and Community

Mission

The mission of Liberty Hill ISD is to build future-ready graduates empowered to be the best version of themselves.



PROFILE OF A PANTHER GRADUATE

L

LEADERS WITH COMPASSION

Lead by example, with hard work focused on connections with others and a commitment to becoming a contributing member of the community and society.

E

EFFECTIVE COLLABORATORS

Collaborate with others to achieve goals, recognize strengths in self and others, create effective partnerships, and develop skills for success in the workforce.

A

ADAPTABLE THINKERS

Think with a growth-mindset, determined to take on challenges with perseverance and resiliency while navigating through our rapidly changing world.

D

DETERMINED PROBLEM SOLVERS

Approach problem-solving by looking at situations critically and creatively, to develop a variety of solutions that are both practical and innovative.

S

SKILLED COMMUNICATORS

Communicate efficiently and effectively with a variety of modalities understanding the importance of connecting to the audience while conveying thoughts and ideas.





LIBERTY HILL INDEPENDENT SCHOOL DISTRICT

301 Forrest Street | Liberty Hill, TX 78642 | Phone: (512) 260-5580 | Fax: (512) 260-5581

Dear Parents and Students,

In Liberty Hill ISD, we strive for students to have a comprehensive learning experience in high school that prepares you for success in all future endeavors. This Course Planning Guide provides helpful information regarding courses offered at Liberty Hill High School. The information will assist students and parents in selecting courses, which will meet each student's individual needs as well as satisfy state high school graduation requirements.

In preparation for selecting courses, each student will complete a four-year plan that includes both graduation requirements and the selection of an area of focus, or pathway. The school counselors will guide students in completing this process based on interests and talents. While educators can be valuable resources concerning courses, it is essential that the student make individual choices for his/her schedule.

Please review the information and courses on the following pages as you plan for a successful 2023-2024 school year. Course selections determine how the master schedule is developed. Because the choices you make are extremely important to the planning of our school year, we ask that you honor your selections. Efforts will be made to schedule you with your course choices, though some conflicts may be unavoidable. Please list alternative electives as you complete your course selections.

We look forward to working together as we prepare for the upcoming school year. If you have any questions regarding particular courses and/or the course selection process, graduation requirements, or scheduling, please contact the campus school counselor. Thank you for being a partner with LHISD as we continue to *Build Champions in Academics, Character, and Community*.

Sincerely,

Todd Washburn
Assistant Superintendent of Schools
Liberty Hill Independent School District



Board of Trustees

Megan Parsons, President

Kathy Major, Vice-President

Anthony Buck, Secretary

Kendall Carter

Michael Ferguson

Kristi Hargrove

Terry Smith

District Administration

Steven Snell, Superintendent

Todd Washburn, Assistant Superintendent of Schools

301 Forrest St.

Liberty Hill, TX 78642

512-260-5580

Liberty Hill High School

16500 W. State Highway 29

Liberty Hill, TX 78642

512-260-5500

Grades 9-12

Campus Administration

Bryon Ellison, Principal

Megan Sauber, Associate Principal

Peter Bongard, Assistant Principal

Anthony Escobar, Assistant Principal

Brent Neal, Assistant Principal

Brandi Pennington, Assistant Principal

Table of Contents

Vision and Mission	1
ARTS AND HUMANITIES ENDORSEMENT	10
BUSINESS AND INDUSTRY	11
BUSINESS AND INDUSTRY	12
Business and Industry	13
PUBLIC SERVICE	14
SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH	15
MULTIDISCIPLINARY	16
HIGH SCHOOL GRADUATION PLANS	19
REQUIRED STATE ASSESSMENTS FOR GRADUATION	19
EARLY GRADUATION	19
GRADE LEVEL CLASSIFICATIONS	20
PERFORMANCE ACKNOWLEDGEMENTS	20
SCHEDULE CHANGES	20
PHYSICAL EDUCATION SUBSTITUTES	21
LANGUAGE OTHER THAN ENGLISH (LOTE) SUBSTITUTES	21
HIGH SCHOOL COURSES TAKEN IN MIDDLE SCHOOL	22
CORRESPONDENCE, DISTANCE, AND VIRTUAL COURSES	22
CREDIT BY EXAMINATION	22
Summer School	23
Liberty Hill Success Academy	23
SECTION 504 SERVICES	23
EMERGENT BILINGUAL SERVICES	24
SPECIAL EDUCATION SERVICES	24
COLLEGE PREPARATORY COURSES AND PROGRAMS	26
UNIVERSITY OF TEXAS AT AUSTIN ONRAMPS	26
DUAL CREDIT PROGRAM – ANGELO STATE UNIVERSITY & AUSTIN COMMUNITY COLLEGE	27
GIFTED AND TALENTED SERVICES	27
CAREER AND TECHNICAL EDUCATION	27
COLLEGE ENTRANCE EXAMS	27
AUTOMATIC ADMISSION TO TEXAS PUBLIC COLLEGES AND UNIVERSITIES	28
Texas Success Initiative - TSI	28
ARMED SERVICES VOCATIONAL APTITUDE BATTERY (ASVAB)	29
FREE APPLICATION FOR FEDERAL STUDENT AID	29
GPA CALCULATION	29
LIBERTY HILL ISD & AUSTIN COMMUNITY COLLEGE APPROVED DUAL CREDIT COURSES	33
LIBERTY HILL ISD & ANGELO STATE UNIVERSITY APPROVED DUAL CREDIT COURSES	34
ENGLISH	35

MATHEMATICS	39
SOCIAL STUDIES	45
LANGUAGES OTHER THAN ENGLISH	47
FINE ARTS	50
HEALTH/PHYSICAL EDUCATION/ATHLETICS	55
COLLEGE, CAREER AND LEADERSHIP DEVELOPMENT	58
CAREER AND TECHNICAL EDUCATION	59

The information in this catalog is subject to change based on new information mandated through the Texas Legislature, the Texas Education Agency, or the State Board of Education. This course catalog will be updated periodically online as new information is received.

Public Notification of Nondiscrimination in Career & Technical Education Programs

The Liberty Hill Independent School District offers Career and Technical Education Programs in ten different career cluster areas. Admission to these programs is based on interests and aptitude, age appropriateness, and available class space. It is the policy of Liberty Hill Independent School District not to discriminate on the basis of race, color, national origin, sex, or handicap in its vocational programs, services, or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

Liberty Hill Independent School District will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.

LIBERTY HILL ISD GRADUATION PLAN REQUIREMENTS

All students will graduate on the Foundation High School Program with Endorsement and must earn twenty-six credits in required subject areas. Students will be enrolled on Distinguished Level of Achievement with Multidisciplinary Endorsement as a freshmen student. Students will have the opportunity to add additional or change endorsement plans each year during course selection.

In addition to the course requirements listed below, students must also pass the following End-of-Course (EOC) exams to meet graduation requirements: **English I, English II, Algebra I, Biology, U.S. History**

Students striving to graduate in the Top 10% of their class must graduate on the Distinguished Level of Achievement graduation plan to qualify for Automatic (Top 10%) Admission to Texas public colleges and universities.

Distinguished Level of Achievement + Endorsement 26 CREDITS College Ready Plan
English Language Arts - 4 credits ELA I, II, III, and one advanced English credit
Math - 4 credits Algebra I, Geometry, Algebra II, and one Advanced math credit
Science - 4 credits Biology, IPC/Chemistry/Physics, and two Advanced science credits
Social Studies - 3 credits World Geography or World History, U.S. History, and Government (.5) and Economics (.5) <i>*Note- Some colleges recommend 4 social studies credits. Please see your counselor for more information.</i>
Languages Other Than English (LOTE) - 2 credits <i>*Note- Some colleges recommend 3 LOTE credits. Please see your counselor for more information.</i>
Physical Education - 1 credit
Fine Arts - 1 credit
Professional Communications - .5 credit Lifetime Nutrition and Wellness - .5 credit <i>Offered together as one course for a total of 1 credit</i>
Electives - 6 credits
Credit requirements specific to at least one endorsement.

Students can earn Performance Acknowledgements listed on their Academic Achievement Record (transcript) for outstanding performance on the SAT®, ACT®, PSAT®, AP®, dual credit, bilingualism/ bi-literacy and business/industry certifications

Students can declare endorsements throughout high school. Students will have the opportunity to change or add an endorsement area during the time of course selection every year. Please see your school counselor for information.

Foundation Plan + Endorsement 26 CREDITS
English Language Arts - 4 credits ELA I, II, III, and one advanced English credit
Math - 4 credits Algebra I, Geometry, and two additional math credits
Science - 4 credits Biology, IPC/Chemistry/Physics, and two Advanced science credits
Social Studies - 3 credits World Geography or World History, U.S. History, and Government (.5) and Economics (.5)
Languages Other Than English (LOTE) - 2 credits
Physical Education - 1 credit
Fine Arts - 1 credit
Professional Communications - .5 credit Lifetime Nutrition and Wellness - .5 credit <i>Offered together as one course for a total of 1 credit</i>
Electives - 6 credits
Credit requirements specific to at least one endorsement.

Endorsements can be earned by taking additional courses in the Fine Arts, Academics and Career & Technical Education.

The endorsement areas include:

- Arts & Humanities
- Business & Industry
- Public Service
- Science, Technology, Engineering & Math (STEM)
- Multidisciplinary

ENDORSEMENT AREAS

Students must choose an “Endorsement,” or area of concentration, upon entering the ninth grade. Each student can choose more than one endorsement area. Achieved endorsements will be noted on high school transcripts. Students can earn an endorsement by successfully completing at least one of the “Program of Study” requirements in the endorsement areas listed below. Please see the specific course requirements for each Program of Study area listed in the course catalog. Courses chosen during high school become the foundation for the future; therefore, careful selection of courses will form a Program of Study related to a chosen post-secondary educational goal.

ENDORSEMENT AREAS				
Arts/Humanities	Business & Industry	Public Service	STEM	Multidisciplinary
Programs of Study ● Fine Arts: ○ Art: Ceramic ○ Art: Drawing ○ Music: Band ○ Music: Choir ○ Theatre Arts ● Languages Other Than English: ○ American Sign Language ○ Spanish ● Social Studies	Programs of Study ● Agribusiness ● Animation ● Animal Science ● Business Management ● Construction ● Culinary Arts ● Digital Communications ● Entrepreneurship ● Journalism ● Marketing and Sales ● Welding	Programs of Study ● Health Science ● Law and Public Safety ● Teaching and Training	Programs of Study ● Computer Science ● Engineering ● Mathematics ● Science	Programs of Study ● Multidisciplinary Option 1: Four credits in each of the four foundation subject areas of English, Math, Science & Social Studies. Courses must include English IV, Algebra II, and Chemistry and/or Physics OR ● Multidisciplinary Option 2: Four credits in AP, or Dual Credit courses selected from English, mathematics, science, social studies, economics, LOTE, and fine arts. OR ● Multidisciplinary Option 3: Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation within one endorsement area or among endorsement areas that are not in a coherent sequence (year 2 or greater in a pathway and noted as ^ in the Course Planning Guide

ENDORSEMENT AREAS – PROGRAMS OF STUDY REQUIREMENTS

Liberty Hill ISD offers a Program of Study opportunity in five (5) state-recognized Endorsement areas. The State recognized endorsement areas are: Arts and Humanities; Business and Industry; Public Service; Science, Technology, Engineering and Mathematics (STEM); and Multi-disciplinary.

A Program of Study must be completed in order to earn an endorsement. More than 60 Programs of Study are aligned to the five state-recognized endorsement areas. Courses chosen during high school become the foundation for the future; therefore, careful selection of courses will form a Program of Study related to a chosen post-secondary educational goal.

How to use the Program of Study:

1. Select a Program of Study based on the career field in which you are interested.
2. The number of credits needed to earn a Program of Study certificate refers to credits earned by passing identified courses; this number varies by Program of Study.
3. Credit must be earned in any prerequisite courses listed, if any, for a Program of Study.
4. Credit must be earned in any required courses listed.

Arts and Humanities Endorsement

Arts and Humanities Endorsement				
A student may earn an Arts and Humanities Endorsement by completing foundation and general endorsement requirements. In addition, students must complete one of the Program of Study requirements listed below.				
Fine Arts Program of Study				
4 Credits Required				
Choose at least 4 credits from no more than two of the areas listed below:				
Art	Dance	Music: Band	Music: Choir	Theatre
• Art I-IV (<i>Ceramics, Drawing</i>)	• Dance I-IV • Drill Team I-IV	• Band I-IV • Band: Jazz Ensemble I-II	• Choir: I-IV	• Theatre Arts I • Theatre • Production I-IV • Technical Theatre I-IV • Musical Theatre I-II

Arts and Humanities Endorsement		
A student may earn an Arts and Humanities Endorsement by completing foundation and general endorsement requirements. In addition, students must complete one of the Program of Study requirements listed below.		
Languages Other Than English (Option 1) Program of Study	Languages Other Than English (Option 2) Program of Study	Social Studies Program of Study
4 Credits Required	4 Credits Required	5 Credits Required
Choose 4 credits of the same language: • ASL I - IV • Spanish I - IV	Choose 2 credits of the same language and 2 additional credits of the same language: • ASL I - IV • Spanish I - IV • 2 courses from: Computer Science I, AP Computer Science Principles or AP Computer Science A	Choose 5 credits from the courses below: • World Geography or Honors World Geography • World History or AP World History • US History, AP US History, OnRamps US History, or Dual Credit US History • US Government, AP US Government, or Dual Credit US Government • Economics, AP Macroeconomics, or Dual Credit Economics • Psychology or Dual Credit Psychology • Sociology • Personal Financial Literacy

Business and Industry

Business and Industry Endorsement

A student may earn a Business and Industry endorsement by completing foundation and general endorsement requirements. Students must complete one of the Program of Study requirements listed below.

Agribusiness Program of Study	Animal Science Program of Study	Applied Agricultural Engineering (Welding) Program of Study	Construction Management Program of Study
4 Credits Required	4 Credits Required	4 Credits Required	4 Credits Required
- Principles of Agriculture, Food and Natural Resources - Professional Standards in Agribusiness or Professional Communications - Agribusiness Management and Marketing - Agriculture Leadership, Research, and Communications Choose additional credits, if needed, from the following: - Career Preparation I	- Principles of Agriculture, Food and Natural Resources - Small Animal Management and Equine Science - Livestock Production - Veterinary Medical Applications - Advanced Animal Science - Practicum in Agriculture, Food and Natural Resources: Veterinary Medical Applications <i>Note: Students who complete the Animal Science Program of Study requirements are eligible to earn a STEM endorsement by also completing Algebra II, Chemistry, and Physics.</i>	- Principles of Agriculture, Food and Natural Resources - Agriculture Mechanics and Metal Technologies - Agricultural Equipment Design and Fabrication - Practicum in Agriculture, Food and Natural Resources: Agricultural Engineering	- Principles of Construction - Construction Management I - Construction Management II - Practicum in Construction Management Choose additional credits from the following: - Career Preparation I

Business and Industry Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.

Entrepreneurship and Small Business	Certified Veterinary Assistant, Level 1	- Occupational Health and Safety Admin (OSHA) General - 10 Hour - Occupational Health and Safety Admin (OSHA) General - 30 Hour - American Welding Society (AWS) – Certified Welder, SENSE Level I, D1.1 Structural Steel, and D9.1 Sheet Metal	- Occupational Health and Safety Admin (OSHA) General - 10 Hour - Occupational Health and Safety Admin (OSHA) General - 30 Hour - National Center for Construction Education (NCCER) Core
---	---	---	---

Business and Industry

Business and Industry Endorsement

A student may earn a Business and Industry endorsement by completing foundation and general endorsement requirements. Students must complete one of the Program of Study requirements listed below.

Business Management Program of Study	Entrepreneurship Program of Study	Marketing and Sales Program of Study
4 Credits Required	4 Credits Required	4 Credits Required
- Principles of Business, Marketing, & Finance - Business Information Management I - Business Law - Virtual Business/Global Business - Statistics and Business Decision Making Choose additional credits, if needed, from the following: - Career Preparation I	- Principles of Business, Marketing, and Finance - Business Information Management I - Business INCubator - Business ACCEerator Choose additional credits, if needed, from the following: - Mobile Application Development - Career Preparation I	- Principles of Business, Marketing, & Finance - Sports and Entertainment Marketing I/Sports and Entertainment Marketing II - Marketing - Advertising/Social Media Marketing Choose additional credits from the following: - Virtual Business - Statistics and Business Decision Making - Career Preparation I
Business and Industry Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.		
- Microsoft Office Specialist - Microsoft Excel Expert (Excel and Excel 2019) - Microsoft Office Specialist - Microsoft Word Expert (Word and Word 2019)	- Entrepreneurship and Small Business - Microsoft Office Specialist - Microsoft Excel Expert (Excel and Excel 2019) - Microsoft Office Specialist - Microsoft Word Expert (Word and Word 2019)	- Student Social Media Marketing Certification - Facebook Digital Marketing Associate Certification

Business and Industry

Business and Industry Endorsement

A student may earn a Business and Industry endorsement by completing foundation and general endorsement requirements.
Students must complete one of the Program of Study requirements listed below.

Graphic Design and Multimedia Arts: Animation Program of Study	Digital Communications Program of Study	Culinary Arts Program of Study	Journalism Program of Study
4 Credits Required	4 Credits Required	4 Credits Required	4 Credits Required
- Principles of Arts, Audio/Video Technology and Communications - Animation I - Animation II/Lab 3D Modeling and Animation Choose additional credits, if needed, from the following: - Career Preparation I	- Principles of Arts, Audio/Video Technology and Communications - Audio/Video Production I - Audio/Video Production II and Lab (<i>future course</i>) - Practicum of Audio/Video Production (<i>future course</i>) Choose additional credits, if needed, from the following: - Professional Communications - Career Preparation I	- Principles of Hospitality and Tourism - Culinary Arts - Advanced Culinary Arts - Practicum in Culinary Arts Choose additional credits, if needed, from the following: - Food Science - Career Preparation I	- Journalism - Yearbook I-III
Business and Industry Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.			
		- ServSafe Food Handler - ServSafe Food Manager	

Public Service

Public Service Endorsement		
A student may earn a Public Service Endorsement by completing foundation and general endorsement requirements. In addition, students must complete one of the Program of Study requirements listed below.		
Health Science Program of Study	Law and Public Safety Program of Study	Teaching and Training Program of Study
4 Credits Required	4 Credits Required	4 Credits Required
- Principles of Health Science - Medical Terminology - Health Science Theory - Anatomy and Physiology - Practicum in Health Science: Certified Nurse Aide or Pharmacy Technician <i>Note: Students who complete the Health Science Program of Study requirements are eligible to earn a STEM endorsement by also completing Algebra II, Chemistry, and Physics.</i>	- Principles of Law, Public Safety, Corrections and Security - Law Enforcement I - Law Enforcement II - Forensic Psychology - Forensic Science	- Principles of Education and Training - Human Growth and Development - Instructional Practices: Ready, Set, Teach I - Practicum in Education and Training: Ready Set Teach II Choose additional credits from the following: - Career Preparation I
Business and Industry Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.		
- Certified Nurse Aide (CNA) - Pharmacy Technician (CPhT)	Non-Commissioned Security Officer Level II	Educational Aide I

Science, Technology, Engineering, and Math

Science, Technology, Engineering, and Math Endorsement

A student may earn a STEM endorsement by completing foundation and general endorsement requirements including Algebra II, Chemistry, and Physics. In addition, students must complete one of the Program of Study requirements listed below.

Advanced Math Program of Study	Advanced Science Program of Study	Programming and Software Development: Computer Science Program of Study	Engineering Program of Study
5 Credits Required	5 Credits Required	4 Credits Required	4 Credits Required
Required Courses: - Algebra I - Geometry - Algebra II - Chemistry - Physics Choose 2 additional credits from the following: - Advanced Quantitative Reasoning - Precalculus - AP Precalculus - Honors Precalculus (taken prior to the 23-24 school year) - OnRamps Precalculus - AP Calculus AB - AP Calculus BC - Statistics - AP Statistics - AP Computer Science A	Required Courses: - Biology - Chemistry - Physics - Algebra II Choose 2 additional credits from the following: - AP Biology - AP Chemistry - AP Physics - AP Physics II - Anatomy and Physiology - AP Environmental Science - Environmental Systems - Integrated Physics & Chemistry (IPC) - Advanced Animal Science - Dual Credit Astronomy	- Fundamentals of Computer Science or AP Computer Science Principles - Computer Science I - AP Computer Science A, Math or LOTE - Mobile Application Development Choose additional credit, if needed, from the following: - Career Preparation I - Computer Maintenance: Dell Student TechCrew <i>Note: Students who do not complete Algebra II, Chemistry, and Physics, but earn four credits in the Computer Science Program of Study, are eligible to earn a Business and Industry Endorsement.</i>	- Principles of Applied Engineering - Manufacturing Engineering Technology I - Engineering Design and Presentation I - Engineering Design and Presentation II <i>Note: Students who do not complete Algebra II, Chemistry, and Physics, but earn four credits in the Engineering Program of Study, are eligible to earn a Business and Industry Endorsement.</i>
Business and Industry Certifications are embedded in Career and Technical Education Programs of Study. Available certifications are listed below.			
			- Autodesk Associate(Certified User) Inventor - Autodesk Associate (Certified User) AutoCAD - Autodesk Associate (Certified User) Revit - Autodesk Certified Professional Fusion 360 - Certified SolidWorks Associate

Multidisciplinary

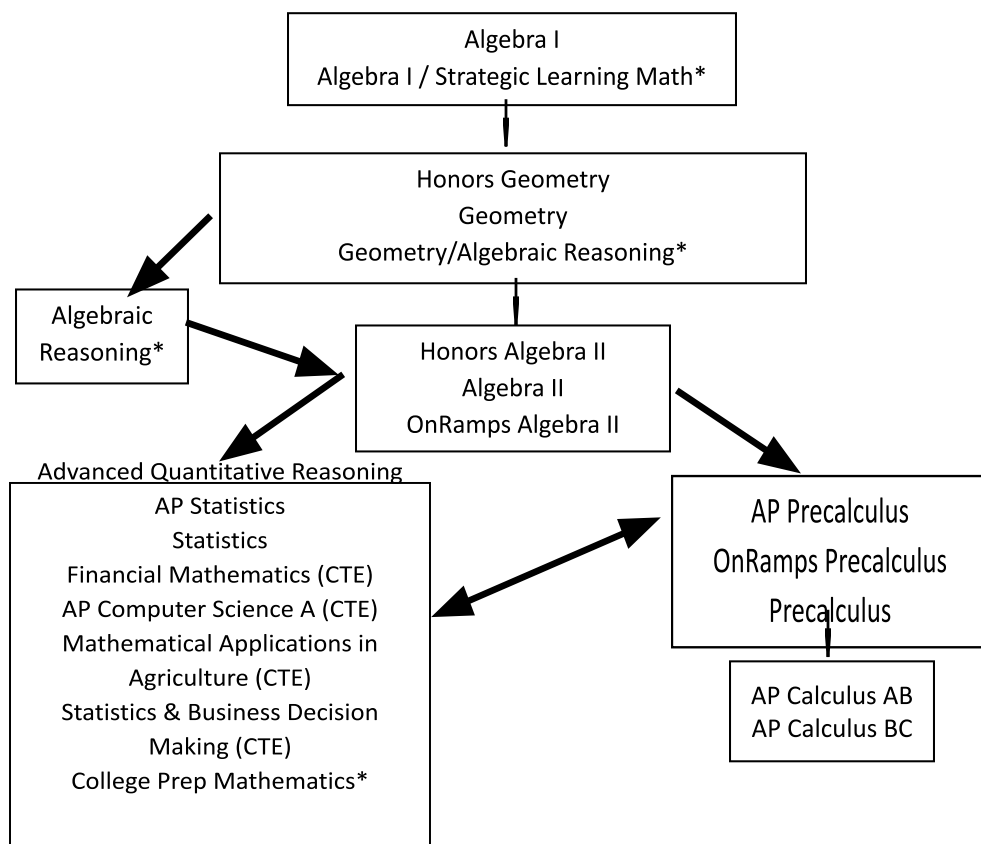
Multidisciplinary Endorsement

A student may earn a Multidisciplinary Endorsement by completing foundation and general endorsement requirements. In addition, students must complete one of the Program of Study options listed below.

Multidisciplinary Program of Study					
16 Credits Required (Option 1)			4 Credits Required (Option 2)	4 Credits Required (Option 3)	
16 credits - Four credits in each of the foundation areas to include English IV, Chemistry, and/or Physics			Choose at least 4 credits of Advanced Placement, Dual Credit selected from English, mathematics, science, social studies, economics, LOTE, and fine arts.	Four advanced courses that prepare a student to enter the workforce successfully or post-secondary education without remediation within one endorsement area or among endorsement areas that are not in a coherent sequence (year 2 or greater in a pathway)	
Required Courses: 4 credits of English - English I - English II - English III, English III AP/DC/OnRamps - English IV, English IV AP/DC/OnRamps	Required Courses: 4 credits of Math - Algebra I - Geometry Choose additional credits from the following: - Advanced Quantitative Reasoning - Financial Math - Algebra II - Algebraic Reasoning - Calculus AB AP - Calculus BC AP - College Preparatory Math - Computer Science A AP - Independent Study in Mathematics - Math Models (3rd credit only) - Pre-Calculus - Statistics AP - Statistics - Statistics & Business Decisions	Required Courses: 4 credits of Science - Biology - Chemistry OR Physics Choose additional credits from the following: - Biology AP - Chemistry AP - Physics AP - OnRamps Physics - Anatomy and Physiology - Environmental Science AP - Environmental Systems - Advanced Animal Science - Chemistry - Physics	Required Courses: 4 credits of Social Studies - World Geography/ Honors World Geography - World History/World History AP - US History or US History AP/ OnRamps/DC, - Government or Government AP/ DC - Economics or Macroeconomics AP/DC Choose additional credit if needed from the following: - Psychology - Psychology DC - Sociology - Personal Financial Literacy	Required Courses: 4 credits of Advanced Placement, International Baccalaureate, or Dual Credit - English III AP/DC/OnRamps - English IV AP/DC - World History AP - US History AP/DC/OnRamps - Government AP or DC - Macroeconomics AP or DC - Psychology DC - Biology AP - Chemistry AP - Physics AP/OnRamps - Environmental Science AP - Calculus AB AP - Calculus BC AP - Statistics AP - Spanish IV AP - Computer Science Principles AP - Computer Science A AP	See Endorsement Areas – Programs of Study Requirements for a full list of courses.

MATH AND SCIENCE COURSE SEQUENCE CHART

Math Course Sequence

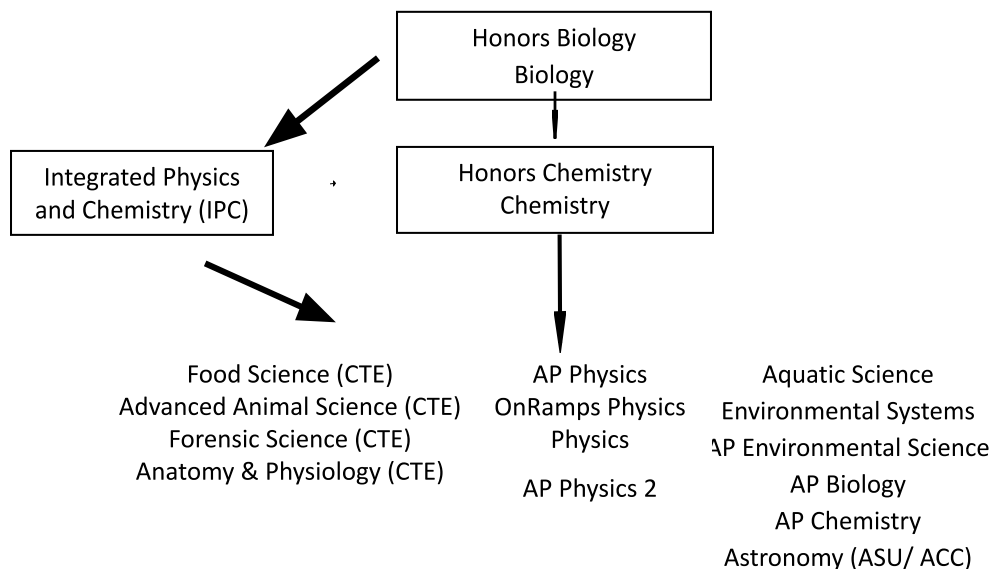


**Strategic Learning Math, Algebraic Reasoning, and College Prep Mathematics require a counselor conference for placement.*

The State Board of Education (SBOE) has approved courses to substitute for math credits. Liberty Hill ISD offers the following approved math substitution courses: AP Computer Science A (CTE), Mathematical Applications in Agriculture, Food, and Natural Resources (CTE), Financial Mathematics (CTE), and Statistics & Business Decision Making (CTE).

Please see your counselor for additional information concerning substitution, options, or requirements.

Science Course Sequence



The State Board of Education (SBOE) has approved courses to substitute for science credits. Liberty Hill ISD offers the following approved science substitution courses: Advanced Animal Science (CTE), Anatomy and Physiology (CTE), Food Science (CTE), and Forensic Science (CTE).

Please see your counselor for additional information concerning substitution options/requirements.

FOUR YEAR PLANNING DOCUMENT

<i>Students will begin their high school 4-year planning process during the 8th grade school year. Parents will be required to sign-off on the 4-year plan by the end of the student's 9th grade school year. Counselors will meet with students and parents annually to review graduation plans. Please review specific graduation plan requirements and options when completing your 4-year plan.</i> Name: _____ Date: _____ Endorsement Area: ☐ Arts and Humanities ☐ Business and Industry ☐ Public Service ☐ STEM ☐ Multidisciplinary (Please check at least one endorsement area)					
Program of Study: (Please list all that apply)					
8th	<u>9th</u>	<u>10th</u>	<u>11th</u>	<u>12th</u>	Summer
High School courses completed in Middle School	English I	English II	English III	English IV	
	Math	Math	Math	Math	
	Biology	Science	Science	Science	
	World Geography	World History	U.S. History	Government/Economics	

HIGH SCHOOL GRADUATION INFORMATION

High School Graduation Plans

Liberty Hill ISD has graduation plans to serve the post-secondary needs of all students. As students create four-year plans of study, they should carefully select courses to provide for multiple education or career-related options after high school. Students planning to attend an institution of higher education after graduation should investigate post-secondary entrance requirements prior to selecting their courses and graduation plan. It is important for students to create a rigorous four-year plan while maintaining a healthy balance of extra-curricular and/or part-time work opportunities. Choosing courses that meet your educational needs or interests is the best way to prepare for your future. In addition, students in Liberty Hill ISD are strongly encouraged to complete a Program of Study. A 22-credit Foundation High School Plan without an endorsement can be considered at the beginning of the junior year. However, this requires a meeting with the counselor, parent/guardian, and student to discuss post-secondary implications. Administrative approval is required.

Required State Assessments for Graduation

State of Texas Assessments of Academic Readiness (STAAR) End of Course Requirements for Graduation

As required by Texas Education Code, TEC §101.3022. Assessment Requirements for Graduation, students will take the State of Texas Assessment of Academic Readiness (STAAR) End of Course (EOC) exams as near to completion of the following courses to meet graduation requirements for the state of Texas: English I, English II, Algebra I, Biology and U.S. History. In order to graduate, a student must meet or exceed satisfactory performance on each STAAR end-of-course (EOC) assessment. The performance standard needed to meet the testing requirement for graduation is based on the performance standard in place when students take their first EOC test and will apply to all five EOC assessments. STAAR EOC retest opportunities will be available for students who did not meet the passing standard on one or more of the exams. Retests will be offered during the summer, fall, and spring of each year. Students who, upon completion of Grade 11, are unlikely to pass one or more EOCs shall be required to enroll in a corresponding content area preparatory class and take an end-of-course assessment for that course.

Qualifying scores on specific college readiness exams including AP, IB, PSAT/NMSQT®, ACT Aspire™, SAT® or ACT® scores may be substituted for a STAAR End of Course exam to meet graduation requirements and receive a diploma in Texas, but only if the student has attempted the STAAR EOC at least one time and has not met the passing requirement. Students may check with their counselor to see if they are eligible for a substitution. Additional information can also be found on the district website at www.libertyhill.txed.net.

For students receiving Special Education services and who have not met the passing standard on one or more of the STAAR EOC exams, the ARD committee will determine whether the student shall continue to retest to meet the passing standard on the applicable EOC. Students must attempt each STAAR EOC at least one time before the ARD committee may discuss retest options.

According to Senate Bill 149, passed in April 2015, a student who has taken but failed to achieve the EOC assessment graduation requirements for no more than two courses may graduate if granted a recommendation from the campus Individual Graduation Committee (IGC). In order to be eligible for IGC consideration, the student should continue to retest at every eligible opportunity.*

*Please note that Emergent Bilingual students within their first three years in US Schools, who exercise the English I Special Provision, must include that assessment as one of the two assessments not meeting the passing standard for IGC consideration.

Early Graduation

A Liberty Hill ISD student may choose to graduate from high school in fewer than four years. To pursue early graduation, a student must make a written request. Early graduation requirements include parent and principal approval and a meeting with the student's assigned counselor to file a written early graduation plan. Students requesting to graduate early must complete the Foundation with Endorsement Plan or higher. All course work must be completed before a student can participate in graduation ceremonies. Specific details about the process to request early graduation are available from your school counselor at the end of the freshman year.

Grade Level Classifications

For the purpose of classifying students:

Freshman:	Must have been promoted from the 8th grade
Sophomore:	Must have satisfactorily completed 6 credits
Junior:	Must have satisfactorily completed 12 credits
Senior:	Must have satisfactorily completed 18 credits

This classification is based on the number of credits completed. Credits earned through summer school, credit-by-exam, competency-based, or correspondence should be on file in the registrar's office before the first day of school for classification purposes. A correspondence course is not considered completed until the final grade is recorded in the registrar's office. Please consult the campus principal for further clarification regarding extracurricular eligibility requirements.

Performance Acknowledgements

Students graduating on the Foundation High School Program can earn Performance Acknowledgements on their transcript for outstanding performance in a dual credit course; in bilingualism and bi-literacy; on an AP exam; on the PSAT/NMSQT®, SAT® or ACT®; and by earning a nationally or internationally recognized business or industry certification or license. Please see page 15 of the graduation requirements link found on the [Texas Education Agency website](#) for specific Performance Acknowledgement requirements.

Schedule Changes

It is very important that students and parents consider selecting appropriate courses based on the student's graduation and post-secondary plans. The choices students make during the course selection process determine the master schedule teacher assignments for each campus. Though never perfect, the campus master schedule is designed to maximize student opportunities and minimize scheduling conflicts. Master schedule changes may be affected by insufficient course enrollment or instructor availability. Students should pay particular attention to the alternate electives they select during the course selection process. To avoid schedule conflicts, a student may be placed in one or more of his or her alternate selections.

In order to schedule efficiently, student schedules will not be changed to select different teachers, lunch periods, or any different elective or alternate elective. Teacher change requests will only be considered if a student previously failed a course with the same teacher and if another teacher is available.

Schedule corrections will be considered as soon as possible and only for the following reasons:

- The student is a senior and does not have a course required for graduation.
- The student does not have the prerequisites for a course.
- Course credit was previously received (*i.e.* - *through summer school, correspondence courses, Examination for Acceleration. etc.*)
- A data entry error made by the school (*i.e.*- *two first-period classes, or a schedule that does not contain the full number of classes.*)
- Student has been dismissed from a program where approval must be granted for placement.

Course Request Changes: Any requests to change a course for reasons other than those listed above will only be considered for compelling educational circumstances and may require parental permission. **Course request changes must be made before the published deadline. The date will be published on the high school Counseling website.** If the course request change is made through email or an online platform, a parent and student email address will be required. Elective changes will not be considered after the published deadline.

Course Level Changes: Course level changes may be requested in the summer when submitted before the published deadline. After the start of school, course level changes for honors or AP courses with a corresponding on-level class will be considered after the end of the first progress reporting period. To be considered for a transfer from an Honors, AP, OnRamps, or Dual Credit course, the student must have made a sincere effort to succeed by attending tutorials, completing his or her work, and conferencing with the teacher. The parent must conference with the teacher before a course level change will be considered.

Physical Education Substitutes

Physical Education substitution credit may be awarded for successful completion of certain courses. Students may earn Physical Education substitution credit through participation in Drill Team (one credit maximum), Cheerleading (four credit maximum), Marching Band (one credit maximum), and Color Guard (one credit maximum).

Physical Education Substitution credit may also be awarded for successful completion of physical activity with a Private or Commercially sponsored athletic organization; known as Off-Campus Physical Education (OCPE). The purpose of the Off-Campus PE program is to accommodate students who are making a serious effort to develop higher-level skills in a specific activity that exceeds what the school district can offer through the general physical education program. Students are expected to be physically educated, along with being physically active. Students are expected to show accountability of skill development as well as learned physical activity. Knowledge of Health concepts and age-appropriate social development are also requirements of the Texas Essential Knowledge and Skills for Physical Education

Private and Commercially sponsored organizations must go through an approval process with Liberty Hill ISD prior to a student's participation in Off-Campus PE. Credits may not be earned through Off-Campus PE more than once during a school year and a maximum of four substitutions may be earned through any combination of allowable substitutions. In order for a student to earn PE Substitution credit for OCPE, the student's participation must include at least 100 minutes per five-day school week of moderate to vigorous physical activity. Upon completion and supplying required documentation of one semester's participation in one of these activities, the student is awarded a PE substitution of 0.5 credits.

Off-Campus PE: In accordance with local district policy, a school district may award up to four credits for physical education for appropriate private or commercially sponsored physical activity programs conducted on or off-campus. The district must apply to the commissioner of education for approval of such programs, which may be substituted for state graduation credit in physical education. Such approval may be granted under the following conditions:

Category (1) Olympic-level participation and/or competition including a minimum of 15 hours per week of highly intensive, professional, supervised training. The training facility, instructors, and the activities involved in the program must be certified by the superintendent to be of exceptional quality. Students qualifying and participating at this level may be dismissed from school one hour per day. Students dismissed may not miss any class other than the time frame allotted for physical education.

Category (2) Private or commercially sponsored physical activities including those certified by the superintendent to be of high quality and well supervised by appropriately trained instructors. Student participation of at least 5 hours per week must be required. Students certified to participate at this level may not be dismissed from any part of the regular school day.

See the LHISD website for a list of approved private and commercially sponsored athletic organizations and the student OCPE application.

- Approval for new private or commercially sponsored athletic organizations must submit an application no later than June 1st.
- Student applications are due no later than the 5th-day of the new semester.

Language Other Than English (LOTE) Substitutes

The Foundation High School Program (FHSP) requires students to have two credits of a language other than English (LOTE). The credits may be selected from the following:

- two levels in the same language other than English.
- two credits in computer programming languages.
 - Students selecting the computer programming option should review admissions requirements for the colleges/universities they are considering. Most institutions of higher education in Texas require/ prefer LOTE courses over computer programming.

Liberty Hill ISD offers Credit by Examination (CBE) for Acceleration for students to earn their LOTE credits. Please refer to the CBE section of the Course Planning Guide for more information.

If a student, in completing the first credit of LOTE, demonstrates that the student is unlikely to be able to complete the second credit, the student may substitute another appropriate course. The determination regarding a student's ability to complete the second credit of LOTE must be agreed to by:

- the teacher of the first LOTE credit course or another LOTE teacher designated by the school district, the principal or designee, and the student's parent/guardian;
- the student's admission, review, and dismissal (ARD) committee if the student receives special education services; or
- the committee established for the student under Section 504, Rehabilitation Act of 1973.

If a substitution is granted, it will ONLY satisfy the credit required for the LOTE Level II course and may not satisfy any other graduation requirement. In addition, it may not fulfill the requirement for admission to the college/university for which the student is applying. Please see your assigned high school counselor for more information regarding approved LOTE substitutions.

A student, who due to a disability, is unable to complete two credits in the same language in LOTE, may substitute a combination of two credits from:

- English Language Arts,
- Mathematics,
- Science,
- Social Studies,

Or two credits in

- Career and Technical Education,
- Technology Applications.

The determination regarding a student's disability to complete the LOTE credit requirements will be made by:

- The student's ARD committee if the student receives special education services, or
- The committee was established for the student under Section 504 of the Rehabilitation Act of 1973.

High School Courses Taken in Middle School

Liberty Hill ISD offers some high school credit courses for students while enrolled in middle school. Students who take these courses must show satisfactory completion of the prerequisite Texas Essential Knowledge and Skills (TEKS) as well as state and district requirements for the high school course taken. Grades for high school courses completed in middle school shall be reflected on the student's academic achievement record (transcript), and the student will be awarded state graduation credit. Grades earned in high school courses taken in middle school will not be calculated in the student's high school Grade Point Average (GPA).

Students who satisfactorily complete Algebra I and/or Geometry in middle school are expected to complete four additional higher-level mathematics courses in grades 9-12.

Correspondence, Distance, and Virtual Courses

High school students may take correspondence, distance, and virtual courses and earn credit toward graduation. Students enrolled in correspondence, distance, or virtual courses complete these courses outside the school day and at their own expense. Credit toward state graduation requirements shall be granted under the following conditions:

- The institution offering the course is The University of Texas (UT), Texas Tech University, Texas Virtual School Network (TxVSN), or other public institution of higher education approved by the Texas Commissioner of Education.
- The course includes the state-required Texas Essential Knowledge and Skills for such a course.

If the intent of a correspondence, distance, or virtual course is to earn credit towards graduation, students must obtain permission from a school counselor prior to enrolling. Liberty Hill ISD recommends that any correspondence, distance, or virtual course(s) required for graduation be completed by the end of the fall semester of a student's senior year. All correspondence, distance, or virtual courses required for graduation must be completed, and the final grade recorded, at least 30 days prior to graduation to participate in graduation ceremonies. A correspondence, distance, or virtual course is not considered complete until the final grade is recorded on the student's Academic Achievement Record (transcript).

Grades earned through courses completed through correspondence, distance, or virtual means will not be calculated into the student's GPA or rank.

Student-athletes who are considering correspondence, distance, or virtual courses must check with the NCAA to inquire if a course of this type is acceptable as part of the NCAA core curriculum requirements. Please visit the NCAA website www.eligibilitycenter.org for additional information.

Credit by Examination

Credit by Examination with Prior Instruction

A student who has had sufficient prior formal instruction as determined by the district on the basis of a review of the student's educational records or who has failed a course may gain credit for the course by passing a proficiency examination. The proficiency examination will assess the student's knowledge of the Texas Essential Knowledge and Skills for the course. A student must score 70% or better on the credit by examination (CBE) to gain credit for the course. CBE grades will not be calculated into the student's grade point average (GPA). A student may not use this examination to regain eligibility to participate in extracurricular activities. Students assume the cost of the examination.

Credit by Examination for Acceleration

Credit by Examination for Acceleration (CBE-A) allows students who, without prior instruction, have already mastered content and skills in a particular course, to receive credit for a course and advance to the next level. Students take a designated criterion-referenced exam that covers the Texas Essential Knowledge and Skills and major learning for the course for which they wish to receive credit.

CBE for Acceleration registration is available through the campus counselor.. Per TEA, the district provides four CBE for Acceleration testing windows during the year at no cost to the student. Outside of the testing window, families must pay for the CBE. Parents and students may get additional information about CBE for Acceleration from campus counselors.

Students must score 80 percent or higher on the CBE to receive credit. For courses with two-semester exams, the student must score 80 percent on both semester exams and not an average of 80 percent. CBE grades are added to the transcript but will not be included in the student's (GPA). Upon receiving a passing score on a CBE, students will be scheduled in the appropriate next level at the beginning of the following school year.

Home School/Non-Accredited Schools

When a student graduates from LHISD, the diploma must signify certain curricular attainment as outlined by the State of Texas and the Board of Trustees. Students from schools outside of Texas, the United States, or unaccredited private or home schools who enroll in Liberty Hill ISD will have their educational records reviewed by a counselor. The intent of the review process is to help the student make a smooth transition by acknowledging prior learning in an educational environment and still maintaining the integrity of standards as guided by TEA. Upon receipt of all related documentation, within 30 days of enrollment, Liberty Hill ISD will have the student appropriately placed in classes with a plan for establishing credit toward graduation. Credit toward state graduation requirements earned in an accredited Texas public-school district shall be transferable and recognized by the District. Accredited shall be defined as accreditation by TEA, an equivalent agency from another state, or one of the regional accrediting associations listed below:

- Southern Association of Colleges and Schools
- Middle States Association of Colleges and Schools
- New England Association of Colleges and Schools
- North Central Association of Colleges and Schools
- Western Association of Colleges and Schools
- Northwest Association of Colleges and Schools

Before recognizing credit in a course earned in an accredited nonpublic school, an accredited school outside of Texas or the US, or a nonaccredited school, appropriate personnel shall evaluate a student's records and transcript. Credits earned in a previous school may not transfer as a credit to LHISD; in such cases, the District may require the student to demonstrate mastery of the content through examination or use alternative methods to verify course content for the award of credit.

Summer School

Certain courses are offered during summer school for credit recovery. The number of students who enroll determines the actual courses offered. Tuition is set by the district and is charged for each summer course. Contact the campus counselor for more information. Information is typically available on the district website as early as April prior to June start.

Liberty Hill Success Academy

The [Liberty Hill Success Academy](#) (LHSA) is an alternative learning environment serving students who have been unsuccessful academically in the traditional high school setting or who need an alternative education setting due to life circumstances. Students participate in both self-paced learning combined with direct instruction. LHSA is the ideal choice for a student who is credit deficient and is at-risk of not graduating from high school.

Section 504 Services

Section 504 of the Rehabilitation Act and the Americans with Disabilities Act (ADA) prohibits discrimination and assures that disabled students have educational opportunities and benefits equal to those provided to non-disabled students. Section 504 and the ADA cover three types of students: (1) as a physical or mental impairment that substantially limits one or more of such person's major life activities, (2) has a record of such an impairment, or (3) is regarded as having such an impairment. Only students in group 1 (they have a physical or mental impairment that substantially limits a major life activity, thus a disability) are eligible for services under Section 504 and the ADA. Parents, Teachers, Administrators, or any other district employees who know of or suspect a student may

have a disability, or may require special services, should contact the campus designee for information regarding evaluation and services.

Emergent Bilingual Services

Students identified as Emergent Bilingual (EB) shall be provided the opportunity to be served by our English as a Second Language (ESL) Program at his or her grade level. ESL programs include intensive instruction designed to develop proficiency in listening, speaking, reading, and writing in the English language. Instruction in ESL shall be commensurate with the student's level of English proficiency and his or her level of academic achievement. The Language Proficiency Assessment Committee (LPAC) designates the student's instructional and linguistic accommodations. If a student is considered an Emergent Bilingual who also receives special education services because of a qualifying disability, the ARD committee in conjunction with the LPAC will make instructional and assessment decisions.

Each campus has a designated ESL Interventionist who provides supplemental support to the general education classroom. Sheltered instruction occurs in general education content-specific classes and incorporates second language acquisition methods and support systems to help make the content comprehensible. These sheltered classes are taught by teachers certified in a content area and trained in second language acquisition methodology or are ESL certified. The sheltered classes cover all mandated TEKS; incorporate English Language Proficiency Standards (ELPS); and focus on adapting the instructional pacing and methods and accommodating materials for instruction.

The Texas English Language Proficiency Assessment System (TELPAS) will be administered annually to Emergent Bilingual students eligible for services. In high school, the ESL Program shall be consistent with graduation requirements under Chapter 74.

Special Education Services

Each local school has the responsibility for providing educational and related services to eligible students in the least restrictive environment and ensuring students with disabilities have the opportunity to participate in educational programs and activities with students without disabilities to the extent appropriate. If a student has or is suspected of having a disability and requires specialized services, parents, teachers, administrators, or any other district employee should contact the campus designee for information concerning the special education referral process.

The school district curriculum enables each student with disabilities to acquire knowledge and skills commensurate with the student's needs and abilities. These skills are developed with the support of special education accommodations, modification or instruction, and related services, as determined by the admission, review, and dismissal (ARD) committee for any course to enable the student to access and make progress with the general curriculum. The ARD committee shall determine the appropriate instructional setting for each student, and these shall be specified in the student's Individualized Education Program (IEP).

**SPECIAL EDUCATION GRADUATION
ELIGIBILITY TO CONTINUE OR RETURN FOR TRANSITION SERVICES**

Standard of Performance	State Assessments	Eligibility to Continue or Return for Transition Services	Condition for dismissal from Special Education Services
Student satisfactorily completes credit requirements for graduation at the standard applicable to students in general education with accommodations only .	STAAR Satisfactory performance	Special Education Services shall terminate upon graduation.	Completion of Credit and Assessment Requirements
Student satisfactorily completes credit requirements for graduation at the standard applicable to students in general education with accommodations only. Student satisfactorily completes credit requirements through courses, one or more of which contain modified curriculum.	STAAR Student failed 3 or more end-of-course assessments Satisfactory performance on the required end-of-course assessments, unless the student's ARD committee has determined that satisfactory performance is not necessary for graduation. STAAR Satisfactory performance on the required end-of-course assessments, unless the student's ARD committee has determined that satisfactory performance is not necessary for graduation.	Student is eligible to continue or return for Special Education Transition Services. Student must also successfully complete the student's individualized education program (IEP) and meet one of the following conditions: A. have a full-time job and the skills needed to keep it; or B. have job skills and self-help skills for successful employment and adult living; or C. have access to services and supports outside of the public education system that can support them in adulthood; or D. will reach age 22 by the start of the school year (September 1st).	ARD committee shall determine the need to continue or return for transition services after completion of credit requirements as long as the student meets age eligibility requirements and is not older than 21 on September 1st.
Student satisfactorily completes credit requirements through courses, one or more of which contain modified curriculum .	STAAR Alternate II		

Students that are receiving Special Education Services can graduate under the Foundation High School Plan with or without endorsements. Students may graduate with 1 or more endorsements by completing all additional courses to satisfy the 26-credit requirement. Course planning, including courses in endorsement areas, should be based on postsecondary goals and student, strengths & interests. ARD committees will determine if courses required for an endorsement that is completed with a modified curriculum are sufficiently rigorous.

COLLEGE AND CAREER READINESS

College Preparatory Courses and Programs

College preparatory courses are offered to students in many subject areas at every grade level in high school. These courses are designed for all students who have a desire to pursue a rigorous curriculum in any subject area. Courses are designated with “Honors,” or “AP,” in the course name. In addition to all Texas Essential Knowledge and Skills, the subject matter is extended both in breadth and depth and aligned with the expectations of college readiness from the Advanced Placement® (AP) Program. Although not required, Honors courses in the 9th and 10th grades are designed to prepare students to be successful in future AP courses. Enrollment in Honors and AP courses at the high school level is open to all students who wish to undertake a rigorous course of study.

College Board Advanced Placement® Program

The College Board’s Advanced Placement (AP) Program offers high school students an opportunity to take college-level courses at Liberty Hill HS. Students taking AP courses in high school develop strong academic foundations and build skills for college success. Students are encouraged to pursue AP courses in areas of interest and future studies. AP Courses are available in the following areas*:

- English: English Language, English Literature
- Language: Spanish Language & Culture
- History: World History, United States History, Macroeconomics, United States Government
- Sciences: Biology, Chemistry, Environmental Science, Physics 1
- Mathematics: Calculus AB, Calculus BC, Statistics
- STEM: Computer Science Principles, Computer Science A

**Students are able to test for college credit in additional AP areas beyond what is offered at LHHS; for example, Spanish Literature & Culture, Japanese Language & Culture, or Comparative Government. Students wishing to take an AP exam that is not offered as a class at LHHS must indicate their desire to test with the AP Coordinator on the campus in the fall semester. Requests made in the spring will not be allowed as registration must take place in the fall semester per The College Board requirements.*

All Liberty Hill ISD students enrolled in AP courses are highly encouraged to take the AP exam(s) to demonstrate course completion to potential colleges. By law, all Texas public colleges and universities must award course credit to students who submit scores of 3 or higher on an AP exam. Costs of these exams must be borne by the student; however, financial assistance is available for students who meet College Board requirements. For further information regarding the College Board AP Program at your high school, see your child’s school counselor.

University of Texas at Austin OnRamps

OnRamps works through a dual-enrollment model. Using a hybrid delivery approach, students meet rigorous university-level college readiness standards and have the opportunity to earn UT Austin credit from a UT faculty member and high school credit from their local teacher. All OnRamps courses can be applied to the Texas Common Core and are guaranteed to transfer to any public institution in Texas.

The key benefit of early exposure to postsecondary education is the authentic entry point to college expectations it provides for students. While in high school, participation in OnRamps courses may accelerate degree completion by reducing the costs and impact of student loans and increasing lifetime earning potential. In OnRamps, students learn first-hand all that it takes to succeed in college before they get there. OnRamps courses currently offered in Liberty Hill ISD:

- English: English Composition
- Math: Pre-Calculus, College Algebra
- Science: Physics
- Social Studies: United States History

For further information regarding the OnRamps Program at your high school, see a school counselor.

Dual Credit Program – Angelo State University & Austin Community College

The Dual Credit Programs at Angelo State University and Austin Community College (ACC) allow high school students the opportunity to earn college credit while in high school. Why is the Dual Credit Program a good thing to consider?

- Students get a head start on earning college credit.
- Cost savings on tuition and fees.
- College-level work can enhance self-esteem, education, and career goals.
- Many courses are transferable to other public colleges and universities.

Students may enroll in college while still enrolled in high school to extend learning or accumulate college hours. To take college courses students must receive counselor and parent approval, be considered full-time high school students, and must meet college readiness standards* through college entrance exams. Students are responsible for completing the application and registration process which is a time-sensitive process. Students should check with the campus College and Career Coordinator for information regarding costs associated with taking dual credit courses and check with colleges to be sure that they will accept dual credit courses.

Credit earned through dual credit counts for both college and high school credit in a core content area or an elective and fulfills high school graduation requirements. To receive high school credit, the grade in the course must be a C or better. GPA points are awarded during the semester for which the course is taken regardless of HS credits earned; for example, 0.5 and 1.0 credits both receive plus 10 GPA points during the semester the college course was completed.

Students who participate in dual credit courses will pay reduced tuition and fee(s) for each course taken.

*See College Entrance Exams and TSI information on the following page

Gifted and Talented Services

Liberty Hill ISD provides services to students identified as Gifted and Talented in the areas of general intellectual ability. In accordance with the Texas Education Code 29.121, LHISD defines “gifted and talented” as a child or youth who performs at or shows the potential for performing at a high level of accomplishment when compared to others of the same age, experience, or environment and who exhibits high-performance capability in an intellectual, creative, or artistic area, possesses an unusual capacity for leadership, or excels in a specific academic field. It is the goal of LHISD to ensure all such students are provided with a variety of educational experiences which support their individual potential for excellence. Gifted students in grades 9-12 are served through advanced academic courses including honors, Advanced Placement (AP) courses, OnRamps, and Dual Credit courses. Teachers of advanced courses complete 30 hours of GT training, which includes the nature and needs of gifted students, and a 6-hour annual update.

Career and Technical Education

All students have the opportunity to enroll in Career and Technical Education (CTE) courses along with traditional core academic courses. CTE courses are designed to provide an authentic learning experience through academically rigorous and technology-rich curriculum, and real-world applications. Ideally, students create balanced 4-year plans that include the best of both academic and CTE classes. Enrollment in CTE courses is open to all qualified students without regard to race, color, creed, religious affiliation, sex, or handicapping conditions. Each student enrolled in a CTE course is eligible to participate in a Career and Technical Student Organization (CTSO) that provides content enrichment and student leadership opportunities appropriate to the course in which they enrolled. Students will have the opportunity to reach advanced level CTE courses to increase the rigor of their learning, earn industry-based certifications, have work-based learning experiences, and complete a CTE coherent sequence for a program of study and/or endorsement. Liberty Hill ISD defines a CTE course as advanced if it requires a prerequisite, if it is only offered at the junior/senior grade levels or if it is listed as a level III or IV course as defined on the state Programs of Study framework.

College Entrance Exams

Colleges and universities weigh admissions decisions in part based on the student performance on the ACT and/or SAT exams. SAT/ACT exam scores are not only used for admissions criteria; these scores can be used to determine scholarship and financial awards. All Liberty Hill ISD students have exposure to the PSAT assessment in high school. From this testing opportunity, Liberty Hill students are provided feedback in terms of strengths and weaknesses on skills needed to be successful on the SAT/ACT. During the fall semester of the 11th-grade year, juniors have the opportunity to take the PSAT-NMSQT during the school day to compete for the National Merit Scholar distinction.

In the junior year, students take admissions exams to demonstrate their readiness for college-level work. The first step in preparation is researching target schools to determine SAT/ACT admission score requirements. Students should set score goals and commit to

focused practice using Khan Academy and SAT/ACT preparatory resources. During the spring semester, all juniors have the opportunity to take the SAT during the school day free of charge.

Automatic Admission to Texas Public Colleges and Universities

Under the Automatic Admission policy (Texas Education Code §51.803), Texas students may be eligible for automatic admission to a state college or university as undergraduate students if they meet certain criteria. To meet the automatic admission criteria, a student must:

- Earn a grade point average in the top 10 percent of his/her high school graduating class,
 - *See the UT section below for specific UT admission information*
- Graduate from a Texas public or private high school,
- Successfully complete the requirements for the Distinguished Level of Achievement on the Foundation High School Program (FHSP) OR satisfy ACT's College Readiness Benchmarks on the ACT college entrance exam OR earn a score of at least 1500 out of 2400 on the SAT college entrance exam, (student should check with universities for updated score requirements on the new SAT®) AND
- Apply for admission to a state college or university within the first two school years after graduation from high school.

The University of Texas at Austin (UT) is no longer required to automatically admit applicants in excess of 75 percent of its enrollment capacity for first-time resident undergraduate students.

- The university has determined that it will automatically admit all eligible Summer/Fall 2023 applicants who rank within the top 6 percent of their high school.

In accordance with Title 19 Texas Administrative Code (TAC), §5.5(e), high school rank for students seeking automatic admission to a general academic teaching institution on the basis of class rank is determined and reported as follows:

- Class rank shall be based on the end of the 11th grade, middle of the 12th grade, or at high school graduation, whichever is most recent at the application deadline.
- The top 10 percent of a high school class shall not contain more than 10 percent of the total class size.
- The student's rank shall be reported by the applicant's high school or school district as a specific number out of a specific total class size.
- Class rank shall be determined by the school or school district from which the student graduated or is expected to graduate.

To be accepted to a Texas University as an automatic admission student, an applicant must:

- Submit an application before the deadline established by the college or university to which the student seeks admission AND
- Provide a high school transcript that indicates whether the student has satisfied, or is on schedule to satisfy, the requirements of the Distinguished Level of Achievement on the Foundation Program.
- Take the required (SAT or ACT) college entrance exams, AND submit the scores to the college(s) to which they are seeking admission.

Texas Success Initiative - TSI

Texas Success Initiative (TSI) - Texas law requires all entering students who wish to enroll in Texas public higher education institutions to meet college readiness standards in reading, writing, and math. Students who do not meet TSI standards upon graduation will be required to pass developmental courses at the college they are attending in order to start college-level coursework. Developmental courses incur a fee and do not count towards degree completion. The same TSI standards are also required for students who participate in dual credit programs. TSI standards for available assessments are listed below:

- TSI for SAT is a minimum score of 480 on Evidence-Based Reading and Writing (EBRW) and 530 on Math.
- TSI for ACT is a composite score of 23 with a minimum of 19 on both English and Math.
- TSI for TSI Assessment (TSIA) is a minimum Essay Score of 5 and College Readiness Classification (CRC includes reading and writing) multiple choice score of 945 or CRC multiple-choice score of 910 with Diagnostic Level 5-6, and a minimum score of 950 on Math or 910 with Diagnostic Level 6.
- TSI for STAAR (EOC) is 4000+ English II scale score (combined Reading and Writing test); 4000+ Algebra I scale score AND grade of 70+ on high school Algebra II course. STAAR (EOC) can only be used for Dual Credit admission.
- TSI for PSAT/NMSQT is a minimum score of 460 on the Evidence-based Reading and Writing (EBRW) and 510 on Math. PSAT/NMSQT can only be used for Dual Credit admission.

The TSI Assessment (TSIA) is designed to help Texas institutions determine if students are ready for college-level coursework in reading, writing, and math. Liberty Hill ISD administers the TSIA to any interested student for entry into dual credit programs or for college placement as required by Texas public colleges and universities. The TSIA will be administered to students enrolled in Algebra

II and English III. All students who take the TSIA are required to complete a Pre-Assessment Activity and provide documentation of completion before testing.

Armed Services Vocational Aptitude Battery (ASVAB)

The Armed Services Vocational Aptitude Battery (ASVAB) Career Exploration Program facilitates career planning and exploration, combining a multiple-aptitude test with an interest self-assessment and a wide range of career exploration tools. The test is a multiple-aptitude battery that measures developed abilities and helps predict future academic and occupational success. The test is FREE and is offered to all interested 10th - 12th-grade students each school year. A student does not need to join the military to take the ASVAB. Results from the test are shared with the individual student and campus only.

Free Application for Federal Student Aid

The Free Application for Federal Student Aid (FAFSA) is available at www.FAFSA.ed.gov beginning October 1 of each year. It is an online application that should be completed during a student's senior year in high school. Completing a FAFSA may qualify a student for federal student loans, grants, the work-study program, scholarships, and student/parent loans (subsidized & unsubsidized). Additionally, many universities require the FAFSA to be filled out to be eligible for scholarship opportunities at the college or university. Families may submit the FAFSA as early as October 1 of the student's senior year. Most universities have a FAFSA priority deadline. Texas General Academic Teaching Institutions have a priority deadline of January 15th for FAFSA submission. Students should check the FAFSA deadline for each school to which they apply.

The FAFSA should be completed if you are a:

- U.S. Citizen
- Permanent U.S. resident with an Alien Registration Card (I-551)
- Conditional permanent U.S. resident with visa type I-551C
- Eligible noncitizen with an Arrival/Departure Record (I-94) showing you as a: (a) Refugee (b) Asylum granted (c) Parolee (d) Cuban-Haitian entrant. Additional information can be found at <https://fafsa.ed.gov/>.

The TASFA is the Texas Application for State Financial Aid and is an alternative to the FAFSA for undocumented students in Texas. Texas allows undocumented students to apply for state financial aid and state tuition under certain conditions. The TASFA needs to be completed during the senior year in high school. It is currently only available in paper form on the College for All Texans website (<http://www.collegeforalltexans.com>). See your counselor for additional information on FAFSA and TASFA.

House Bill 3 passed by the Texas Legislature requires students to complete one of the following as a requirement for graduation:

- Complete and submit a FAFSA
- Complete and submit a TASFA
- Complete a signed opt-out form

Grade Point Average (GPA) and Course Credit

GPA Calculation

A student's cumulative Grade Point Average (GPA) is calculated at the end of the freshman year and at the end of every semester beginning in the sophomore year. The final semester average is used to calculate GPA. The student's GPA is calculated by averaging the final grades for each course taken.

Liberty Hill ISD calculates a student's grade point average on a 100pt-weighted scale. The weighted GPA is used to determine class rank. On the weighted scale, students receive additional weight in their grade point average for taking regular, honors, and AP courses.

The calculation of the GPA includes:

- Courses taken while a student is enrolled in grades 9-12

The following grades shall be excluded from GPA:

- Grades earned in physical education or any other course that receives PE credit
- Grades earned in the second, third, or fourth year of fine arts course
- Distance learning such as Credit Recovery
- Local credit course(s)
- Courses taken at an unaccredited school, including a homeschool

- Courses for which a pass/fail grade is assigned
- Credit by examination grades, with or without prior instruction
- High school credit courses earned in middle school level
- Summer school courses using distance learning platforms such as Edgenuity, Edmentum, etc.

The District shall assign weights to grades earned in eligible courses and shall calculate a weighted numerical grade average in accordance with the following scale:

- Advanced Placement (AP) plus 10
- Dual Credit/Dual Enrollment plus 10*
- Honors plus 5
- On-Level Academic plus 1
- First Year Fine Arts plus 1
- All Other Eligible Courses plus 0

GPA points are awarded during the semester for which the course is taken regardless of HS credits earned; for example, 0.5 and 1.0 credits both receive plus 10 GPA points during the semester the college course was completed. Courses receiving 2.0 credits and beyond will only receive a maximum of 1.0 GPA points; for example, AP Computer Science receives both math and LOTE credit, but the GPA is only calculated once. Additional course examples include Construction Management and Health Science courses that will only receive 1.0 GPA points.

While enrolled in grades 9-12 during the school year, students can earn GPA points equivalent to the total number of class periods offered during the school day. A student may not drop lunch to take an additional course.

Dual credit courses must be listed in the student's schedule to receive GPA points; for example, the student must be enrolled in the ACC or ASU lab for each dual credit course they are taking during the school year. Students may not take dual credit courses for GPA points beyond the maximum allowable classes offered during the school day.

The district shall report class rank on a student's official Academic Achievement Record (AAR) also known as the transcript.

GPA and Rank Calculation Schedule

Cumulative GPA and rank in class shall be calculated and communicated to students as specified below:

- **Grade 9:** following the second semester grading period (June) of the academic year.
- **Grade 10-12:** end of each semester (January and June).
- **Grade 12 Final Rank:** final class rank for seniors at the end of the fifth six-week grading period of the senior year; the average of the fourth and fifth six-week grades shall be used as the final semester grade for ranking purposes only.
- **Grade 12 Final GPA:** the final GPA will be determined at the end of the final semester. The final GPA does not change the rank determined at the end of the fifth-six-week grading period.

Course Credit

A student in grades 9 -12, or in a lower grade when a student is enrolled in a high school credit-bearing course, will earn credit for a course only if the final grade is 70 or above. For a two-semester (1 credit) course, the student's grades from both semesters will be averaged and credit will be awarded if the combined average is 70 or above. Should the student's combined average be less than 70, the student will be required to retake the semester in which he or she failed.

Transfer Credits and Grades

High School credit earned from accredited high school institutions shall transfer to the student's Liberty Hill transcript if the course is noted as an approved course allowable for credit by the Texas Education Agency.

When a student transfers grades for an accredited high school, the District shall assign weight to those grades based on the categories and grade weight system used by the District **if a comparable course was offered to the same class of students in the District**. In cases where a student completed an advanced course at another school, but the advanced course is not offered in Liberty Hill ISD, the advanced course will be noted on the transcript, but an additional weight will not be given. For example, a student takes AP German IV at their previous HS, in this case, AP German IV will be listed on the LHISD transcript, but no AP weight will be given.

Students transferring into the District from a school with a comparable numeric grading scale shall receive the numerical grade that was earned in the course at the previous school.

Students transferring into the District with letter grades shall have letter grades recorded as follows if no numerical scale is provided:

Class of 2022-2025		
A+ = 97	A = 94	A- = 90
B+ = 87	B = 84	B- = 80
C+ = 79	C = 77	C- = 75
D+ = 74	D = 72	D- = 70
F = 69		

Class of 2026 and beyond		
A+ = 98	A = 95	A- = 90
B+ = 88	B = 85	B- = 80
C+ = 79	C = 77	C- = 75
D+ = 74	D = 72	D- = 70
F = 69		

GPA Points by Course Type

Average	Regular	Honors	AP and Dual Credit
100	101	105	110
99	100	104	109
98	99	103	108
97	98	102	107
96	97	101	106
95	96	100	105
94	95	99	104
93	94	98	103
92	93	97	102
91	92	96	101
90	91	95	100
89	90	94	99
88	89	93	98
87	88	92	97
86	87	91	96
85	86	90	95
84	85	89	94
83	84	88	93
82	83	87	92
81	82	86	91
80	81	85	90
79	80	84	89
78	79	83	88
77	78	82	87
76	77	81	86
75	76	80	85
74	75	79	84
73	74	78	83
72	73	77	82
71	72	76	81
70	71	75	80
69	70	74	79
68	69	73	78
67	68	72	77
66	67	71	76
65	66	70	75
64	65	69	74
63	64	68	73
62	63	67	72
61	62	66	71
60	61	65	70
59	60	64	69
58	59	63	68
57	58	62	67
56	57	61	66
55	56	60	65
54	55	59	64
53	54	58	63
52	53	57	62
51	52	56	61
50	51	55	60
49	50	54	59
48	49	53	58
47	48	52	57
46	47	51	56
45	46	50	55
44	45	49	54
43	44	48	53
42	43	47	52
41	42	46	51
40	41	45	50

Sample GPA Calculation

- Look at the semester average for each course listed below:
- Determine whether the course is Regular, Honors or AP/Dual credit and use the *GPA by Course Type Chart* to verify the appropriate grade point for that course.
- Total the grade points and divide by the number of semester courses counted.
- This calculation will give you the GPA.

Course	Semester	Average	Grade Points for GPA Calculation
English II Honors	Sem 1	92	97
	Sem 2	96	101
Chemistry Honors	Sem 1	86	91
	Sem 2	95	100
World History AP	Sem 1	95	105
	Sem 2	89	99
Algebra II	Sem 1	88	89
	Sem 2	94	95
Life Nutrition/ Prof Comm	Sem 1	95	96
	Sem 2	95	96
Spanish II	Sem 1	92	93
	Sem 2	89	90
Band II	Sem 1	99	second-year FA not calculated into the GPA
	Sem 2	100	
Total Grades calculated into GPA:	12	Total Weighted points:	1152
Total Points: 1152 GPA Credits: 12 GPA= $\frac{\text{Total Points}}{\text{GPA Credits}} = \frac{1152}{12} = 96 \text{ GPA}$			

LIBERTY HILL ISD & AUSTIN COMMUNITY COLLEGE APPROVED DUAL CREDIT COURSES

ACC #	Austin Community College Title	Liberty Hill ISD High School Course Title	Credit
English			
ENGL 1301	Composition I	English 3 A	0.5
ENGL 1302	Composition II*	English 3 B	0.5
ENGL 2322	British Literature*	English 4 A	0.5
ENGL 2327	American Literature*	English 4 B	0.5
Mathematics			
MATH 1314	College Algebra	Algebra 2	1
MATH 1414	College Algebra for Precalculus	Math Independent Study	1
MATH 2412	Precalculus - Functions and Graphs*	Pre-Calculus	1
MATH 2413	Calculus I*	Math Independent Study	1
MATH 2414	Calculus II*	Math Independent Study	1
MATH 1342	Elementary Statistics	Statistics	1
Science			
ASTR 1303	Stellar Astronomy with Lab	Astronomy	1
ASTR 1304	Solar System Astronomy	Earth Space Science	1
ENVR 1301	Introduction to Environmental Science	Environmental Systems	1
Social Studies			
ECON 2301	Principles of Macroeconomics	Economics - Free Enterprise	0.5
GOVT 2305	U.S. Government	Government	0.5
GOVT 2306	Texas State and Local Government	Special Topics in Social Studies	0.5
HIST 1301	U.S. History I (before 1877)	US History A	0.5
HIST 1302	U.S. History II (from 1877)	U.S. History B	0.5
PSYC 2301	Intro to Psychology	Psychology	0.5
SOCI 1301	Intro to Sociology	Sociology	0.5
Fine Arts			
ARTS 1301	Art Appreciation	Art Appreciation	1
MUSI 1306	Music Appreciation	Music Appreciation	1
Health and Physical Education			
KINE 1304	Personal Health	Health Education	0.5
Communications			
SPCH 1311	Intro to Speech Communications	Communication Applications	0.5
SPCH 1315	Fund. of Public Speaking	Fund. of Public Speaking	0.5
Languages Other Than English			
	World Language	See Counselor for specific World Language Offerings	1
Career and Technology Electives			
COMM 1307	Intro to Mass Communications	Journalism	1
COSC 1301	Introduction to Computing	Computer Science I	1
COSC 1315	Fundamentals of Programming	Computer Science II	1
COSC 1320	C++ Programming	Computer Science III	1
Career and Technology Electives/Education - Must be enrolled in Practicum in Education and Training (Ready, Set, Teach 2) at LHHS to participate in the dual credit offerings below			
EDUC 1301	Introduction to the Teaching Profession	Ready, Set, Teach 2 (Practicum in Education and Training)	1
EDUC 2301	Introduction to Special Programs	Ready, Set, Teach 2 (Practicum in Education and Training)	1

**Has prerequisites: See current ACC Catalog for additional information. **It is recommended that any course needed for High School Graduation be completed prior to the last semester in the year of graduation to grades are received from ACC prior to graduation.*

LIBERTY HILL ISD & ANGELO STATE UNIVERSITY APPROVED DUAL CREDIT COURSES

ASU #	Angelo State University College Title	Liberty Hill ISD High School Course Title	Credit
English			
ENGL 1301	English Composition	English 3 A	0.5
ENGL 1302	Writing Across the Curriculum	English 3 B	0.5
ENGL 1301	English Composition	English 4 A	0.5
ENGL 1302	Writing Across the Curriculum	English 4 B	0.5
ENGL 2321	Introduction to British Literature	English 4 A	0.5
ENGL 2326	Introduction to American Literature	English 4 B	0.5
Science			
PSY 1303	Fundamentals of Astronomy	Astronomy	1
PSY 1304	Astronomy of the Solar System	Earth Space Science	1
Social Studies			
POLS 2305	U.S. Government	Government	0.5
ECON 2301	Principles of Macroeconomics	Economics	0.5
POLS 2306	Texas State and Local Government	Special Topics in Social Studies	0.5
PSY 2301	General Psychology	Psychology	0.5
Fine Arts			
ARTS 1301	Art Appreciation	Art Appreciation	1
MUSI 1306	Music Appreciation	Music Appreciation	1
Communications			
COMM 1315	Public Speaking	Communication Applications	0.5

COURSE SELECTIONS

Honors courses are designed to challenge as well as prepare students for Advanced Placement (AP) courses. Advanced Placement (AP) courses prepare students for college-level work while in high school. Student expectations: 1) the ability to go above and beyond what is asked; 2) good time management skills, and 3) high interest in the subject matter.

^ denotes an advanced course for multidisciplinary endorsements

ENGLISH

English I

English I

ID #03220100

Grade: 9

Credit: 1

The English I course emphasizes higher-level thinking and fosters enthusiasm for reading and writing. Students will explore classic and contemporary literature, including short stories, poetry, novels, essays, and plays. During each unit, we will analyze literary techniques and text structures. Through each text, we will examine how authorial strategies intersect with students' individual experiences and responses. Students will use this deep understanding of authors' craft and purpose to compose their own extended writing pieces throughout the year. English I students will practice increasing autonomy as they develop their identity as readers and writers. Ninth-grade students will take the STAAR English I test in the spring semester. Passing the English I End-of-Course exam is a graduation requirement.

English I Honors

ID #03220100

Grade: 9

Credit: 1

English I Honors is an advanced-level, accelerated paced, reading and writing-intensive course for students who enjoy and are genuinely interested in challenging themselves as readers and writers. In this course, emphasis will be placed on vocabulary development and units of advanced syntax and usage. Literary works will include choices of young adult fiction books, independent reading novels, selected short stories, nonfiction, and poetry. There will be major grade process writing assignments that include analytical and expository pieces, as well as major grade in-class writings. There will also be frequent discussions, occasional major projects, periodic research, and daily outside reading. Students will be expected to independently manage reading and writing assignments and will be expected to demonstrate strong critical thinking skills of analysis, evaluation, and synthesis through participation in classroom discussion and writing. Ninth-grade students will take the STAAR English I test in the spring semester. Passing the English I End-of-Course exam is a graduation requirement.

GPA WEIGHT: 5 points

English for Speakers of Other Languages (ESOL) I

ID #03200600

Grade: 9-12

Credit: 1

Prerequisite: LPAC Recommendation

English for Speakers of Other Languages I teaches all the TEKS for English I and ESOL while providing linguistically accommodated instruction to assist students in mastering the objectives. Emphasis is placed on developing the acquisition of English through listening, speaking, reading, and writing. This course is designed for students at the beginner or intermediate proficiency levels. *Note: English for Speakers of Other Languages (ESOL) is taken in place of English I.*

English Language Development and Acquisition (ELDA - First Time Taken)

ID #03200800

Grade 9-10

Credit: 1

Prerequisite: Language Proficiency Testing and LPAC Recommendation

Corequisite: English for Speakers of Other Languages (ESOL)I

The ELDA course is designed to provide instructional opportunities for secondary immigrant students with little or no English proficiency. This course enables students to become increasingly more proficient in English in all four language domains. It addresses cognitive, linguistic, and affective needs. It will validate a student's native language and culture as a valuable resource and as a foundation to attain the English language. It will develop social language, survival vocabulary, and the basic building blocks of literacy for newly arrived and preliterate students. This course must be taken concurrently with a corequisite language arts course.

English II

English II

ID #03220200

Grade: 10

Credit: 1

English II will focus on examining the author's voice as well as stylistic and rhetorical choices that authors make in their writing. Students will practice incorporating these skills into their own writing. Students will read novels, short pieces of fiction and nonfiction, as well as poetry and will express their knowledge and understanding of topics through multi-platform projects and assignments. Students will read extensively and independently in both digital and traditional formats from diverse authors as they practice literacy skills. The higher-level critical thinking skills of analysis, evaluation, and synthesis are also practiced in authentic reading and writing contexts. Tenth-grade

students will take the STAAR English II End-of-Course exam in the spring semester. Passing the English II End-of-Course exam is a graduation requirement.

English II Honors

Grade: 10

ID #03220200

Credit: 1

English II Honors course combines higher-level thinking skills with independent reading and study. Emphasis will be placed on Advanced Placement preparation, critical study of literature, guided and independent research, and papers of critical analysis. This course also includes the study of syntactical structures for effective writing. The English II Honors student will be expected to handle extensive and challenging reading and writing assignments on a daily basis. There will be frequent special projects, major composition assignments, and outside reading. Tenth-grade students will take the STAAR English II End-of-Course exam in the spring semester. Passing the English II End-of-Course exam is a graduation requirement

GPA WEIGHT: 5 points

English for Speakers of Other Languages II

Grade: 10-12

ID #03200700

Credit: 1

Prerequisite: LPAC Placement

ESOL II teaches all the TEKS for English II and ESOL while providing linguistically accommodated instruction to assist students in mastering the objectives. Emphasis is placed on developing the acquisition of English through language/writing, oral and written conventions, reading, and research, listening, and speaking. This course is designed for students at the beginning or intermediate proficiency level *Note: English for Speakers of Other Languages (ESOL) II is taken in place of English II.*

English Language Development and Acquisition (ELDA - Second Time Taken)

Grade 9-10

ID #03200810

Credit:

Prerequisite: Language Proficiency Testing and LPAC Recommendation

Corequisite: English for Speakers of Other Languages (ESOL) II

The ELDA course is designed to provide instructional opportunities for secondary immigrant students with little or no English proficiency. This course enables students to become increasingly more proficient in English in all four language domains. It addresses cognitive, linguistic, and affective needs. It will validate a student's native language and culture as a valuable resource and as a foundation to attain the English language. It will develop social language, survival vocabulary, and the basic building blocks of literacy for newly arrived and preliterate students. This course must be taken concurrently with a corequisite language arts course.

English III

English III

Grade: 11

ID #03220300

Credit: 1

English III incorporates both a chronological and thematic approach to the study of American literature with emphasis on reading comprehension and literary analysis. Students will complete formal and informal writing assignments, focusing on improving language usage and developing ideas. Students will read extensively in multiple genres while analyzing the works and interpreting the possible influences of historical and cultural content. Students will read texts in both digital and traditional formats from diverse authors while using the higher-level critical thinking skills of analysis, evaluation, and synthesis.

AP English III (Language & Composition)

Grade: 11

ID #A3220100

Credit: 1

AP English III will emphasize the ability to think abstractly, requiring students to demonstrate strong critical thinking skills of analysis, evaluation, and synthesis through participation in classroom discussion and writing. Students will be expected to manage extensive and challenging reading and writing assignments. The course will emphasize the reading of nonfiction, essays, articles, visual rhetoric, and speeches and will also include reading drama and poetry. Independent reading will be required. Students will be expected to conduct guided and independent research and to compose in-class timed writings as well as longer process compositions. Preparation for the Advanced Placement exam and the SAT will include units on vocabulary, style, and the critical study of language. Students will be strongly encouraged to take the AP Language and Composition test in the spring.

GPA WEIGHT: 10 points

OnRamps Dual Enrollment English III A/B (ENGL 1301 & 1302)

Grade: 11

ID #03220300

Credit: 1

Prerequisite: English I and English II

In this writing-intensive course, students will analyze the various positions held in any public debate and learn to advocate their own positions effectively. In the fall, students explore the ethics of argumentation and what it means to "fairly" represent someone with whom they disagree. By the spring, students are ready to analyze and compose arguments about American identity and identity formation, both personal and cultural. The goal is to foster students' abilities to analyze arguments presented by others and to write sound and effective arguments of their own – abilities that contribute meaningfully to their academic, professional, personal, and civic lives. Students completing the UT course successfully will earn 6 hours of college credit. Students completing the high school course successfully will earn

English III credit. *NOTE: Tuition and Fees are assessed for this UT-Austin OnRamps course. Fee waivers are available for students who meet eligibility requirements.*

GPA WEIGHT: 10 points

Dual Credit English Comp III A

ASU or ACC Online Course (ENGL 1301)

Grade: 11-12

ID #03220300

Credit: 0.5

ASU Prerequisite: GPA of 3.0 or higher or top 50% of graduating class and counselor approval

Emphasizing the writing process, the course offers abundant practice in producing effective prose essays as well as in analyzing and discussing selected readings.

GPA WEIGHT: 10 points

Dual Credit English Comp III B

ASU or ACC Online Course (ENGL 1302)

Grade: 11-12

ID #03220300

Credit: 0.5

ASU Prerequisite: GPA of 3.0 or higher or top 50% of graduating class and counselor approval

Emphasizing the writing process, the course offers abundant practice in producing effective prose essays as well as in analyzing and discussing selected readings.

GPA WEIGHT: 10 points

English IV

English IV

Grade: 12

ID #03220100

Credit: 1

English IV is designed to prepare students for college/career level reading and writing-intensive courses including freshman composition and other introductory college courses. Students use critical writing and reading skills to develop and represent the processes and products of their critical thinking. Through critical writing and reading, writers think through ideas, problems, and issues; identify and challenge assumptions, and explore multiple ways of understanding. Students read texts in both digital and traditional formats from diverse authors. A balance of literary and informational text analysis and writing tasks offers students multiple opportunities to produce products for authentic audiences and purposes.

AP English IV (Literature & Composition)

Grade: 12

ID #A3220200

Credit: 1

This course focuses on reading, analyzing, and writing about literature (fiction, poetry, drama) from various time periods. Students will engage in close reading, academic discussion, and critical analysis of literature to deepen their understanding of the ways writers use language to reveal ideas about the human condition. Students should expect 3-5 hours of work outside of class each week, including a minimum of 2 hours a week spent reading outside of class, as well as spend a significant amount of time writing essays, responses, and analyses. Each semester, students will read a wide variety of both assigned texts and independent choices. Students are expected to demonstrate: close reading and literary analysis at a high level, academic independence, multiple modes of effective writing, time management in light of the heavy writing load, and discussion skills. Students who take this course will prepare for the AP Literature and Composition exam in the spring. *NOTE: This course is designed to be the equivalent of sophomore English programs at most colleges and universities.*

GPA WEIGHT: 10 points

Dual Credit English Comp IV A

Grade: 12

ASU Online Course (ENGL 2321)

Credit: 0.5

ACC Online Course (ENGL 2322)

ID #03220400

ASU Prerequisite: GPA of 3.0 or higher or top 50% of graduating class and counselor approval

A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions.

Dual Credit English Comp IV B

Grade: 12

ASU Online Course (ENGL 2326)

Credit: 0.5

ACC Online Course (ENGL 2327)

ID #03220400

ASUPrerequisite: GPA of 3.0 or higher or top 50% of graduating class and counselor approval

In this course, students will examine American literature, history, and culture. Students will evaluate different genres of American literature from the nineteenth to the twenty-first centuries. Students will also cover issues in American literature concerning psychology, nature, race, and gender. Understanding important themes in American culture will help students become critical readers, develop their analytical skills,

and come to a better understanding of the social and political contexts that shape a country's literature.

GPA WEIGHT: 10 points

College Prep English IV
ID #CP110100

Grade: 12
Credit: 1

Recommended prerequisite: Counselor Approval for students seeking TSIA completion

This course is designed to prepare students for college-level reading and writing courses. Students will learn to use critical writing and reading to develop and represent the processes and products of their thinking. The course fulfills the Texas Success Initiative (TSI) requirements for reading and writing at the partnering institution, Austin Community College.

Reading I ID: 03270700

Grade 9-12

Reading II ID: 03270800

Credit: 1

Reading III ID: 03270900

This course provides students opportunities to read with competence, confidence, and understanding through instruction and engagement in word study, fluency, vocabulary, and comprehension. Students will read independent and instructional-level materials for varied purposes and respond to texts. COURSE NOTE: See counselor for eligibility requirements.

Speech

Professional Communications (CTE)

Grade: 9-12

ID #13009900

Credit: 0.5

Professional Communications is designed to develop effective communication for careers in leadership development systems. Students will develop creative methods to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research in a professional manner. Various processes such as verbal and nonverbal communication will be demonstrated. Students will also learn effective communication strategies through leadership roles. *Note: Meets speech requirement for graduation.*

Dual Credit Communication Applications - ASU (COMM 1315) & ACC (SPCH 1311)

Grade: 11-12

ID #03241400

Credit: 0.5

Prerequisite: 3.0+ GPA or Top 50% of graduating class and counselor approval

Introduction to Speech Communications (SPCH 1311) is taught by an adjunct ACC professor and is scheduled during the regular school day or evenings. Students who complete SPCH 1311 will receive high school Communication Applications credit. Students must make at least a 70 to receive high school credit. Course Note: This course meets the communication requirement for graduation.

GPA WEIGHT: 10 points

Journalism

Journalism

Grade 9-12

ID: 03230100

Credit: 1

Journalism reviews the history of mass print media as well as its contemporary role in the United States. Students will analyze and compose journalistic writing and prepare materials necessary for newspaper and yearbook design.

Photojournalism

Grade: 10-12

ID: 03230800

Credit: 1

Photojournalism is a digital photography class. In photojournalism, you will take photos and interview members of the LHHS community. This is a comprehensive course where we will study the basic principles of photography and apply them to visual storytelling. You'll learn camera basics & operation, composition, interviewing & caption writing, lighting & exposure, digital darkroom & photoshop, history of camera/photography, photo ethics. Students will complete class projects, as well as take photos at school events to be published in the yearbook.

Yearbook I ^

Grade 10-12

ID: 03230110

Credit: 1

Prerequisite: Journalism

Application Required

Yearbook I continues the students' study of mass communication while applying their skills to the processes of writing, designing, and editing a school yearbook and/or newspaper. Typing skills are suggested but not required.

Yearbook II, III ^
ID: 03230120, 30

Prerequisite: Yearbook I, II
Note: Application required

Grade 11-12
Credit: 1

Students are expected to plan, draft, and complete written compositions on a regular basis carefully examining for clarity, engaging language, audience, purpose, and correct use of the conventions of language. They will write in a variety of forms and will become analytical consumers and users of media and technology. They will apply journalistic traditions and the principles of publishing. Advanced Journalism students will receive specific page assignments and deadlines that must be met in order to receive course credit.

MATHEMATICS

Algebra I
ID #03100500

Grade: 9-12
Credit: 1

Algebra I is designed to build on the knowledge and skills of 6-8 mathematics which provided a foundation in linear relationships, number and operations, and proportionality. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. An emphasis is placed on problem-solving and the application of skills and concepts. Ninth-grade students will take the STAAR Algebra I test in the spring semester. Passing the Algebra I End-of-Course exam is a graduation requirement.

Geometry

Geometry
Geometry Honors
ID #03100700

Grade: 9-12
Credit: 1

Prerequisite: Algebra I

Students will strengthen their mathematical reasoning skills in geometric contexts. Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs. Students will explore the topics of geometry developing an understanding of the structure of a mathematical system, connecting definitions, postulates, theorems, logical reasoning, transformations, proof, and coordinate geometry. *Note: May be taken concurrently with Algebra II.*

GPA WEIGHT: 5 points for Honors only

Algebra II

Algebra II
Algebra II Honors
ID #03100600

Grade: 10-12
Credit: 1

Prerequisites: Algebra I

Recommended Prerequisite: Geometry

In Algebra II, students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods. *Note: Algebra II is Required for the Distinguished Graduation Plan and a course required by most major universities.*

GPA WEIGHT: 5 points for Honors only

OnRamps Dual Enrollment College Algebra (MATH 1314)
ID #03100600

Grade 10-12

Prerequisites: Algebra I and Geometry

UT OnRamps is a dual enrollment partnership with the University of Texas at Austin. In this course, students will use an inquiry-based learning approach to deepen their critical thinking skills and develop their ability to persist through challenges as they explore function families: Linear, Absolute Value, Quadratic, Polynomial, Radical, Rational, Exponential, and Logarithmic. Students analyze data algebraically and with technology while developing their knowledge of properties of functions, matrices and systems of equations, and complex numbers. Students must demonstrate their ability to do college work in order for the opportunity to earn college credit during the spring semester from UT transferable to any public college or university in Texas. Counts as Algebra II credit. *NOTE: Tuition and Fees are assessed for this UT-Austin OnRamps course. Fee waivers are available for students who meet eligibility requirements.*

GPA WEIGHT: 10 points

Precalculus

Precalculus ^

ID #03101100

Grade: 10-12

Credit: 1

Prerequisites: Algebra II and Geometry

The study of Pre-Calculus deepens students' mathematical understanding and fluency with Algebra and Trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students will use *functions, equations, and limits as tools for expressing generalizations and as a means for analyzing mathematical relationships*. Students will investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

Precalculus AP^

ID #

Grade: 10-12

Credit: 1

AP Precalculus will prepare students for other college-level mathematics and science classes. The skills learned in this course are foundational not only for success in required college math courses, but also to careers in math, physics, biology, health science, data science and social science. The AP Precalc class will be made up of four units: Polynomial and Rational Functions, Exponential and Logarithmic Functions, Trigonometric and Polar Functions & Functions Involving Parameters, Vectors, and Matrices. Through these units, students will gain a deep conceptual understanding of functions and their graphs, learning how to model and interpret models of functions.

GPA WEIGHT: 10 points

OnRamps Dual Enrollment Precalculus (MATH 2312) ^

Grade: 10-12

ID #03101100

Credit: 1

Prerequisites: Algebra II and Geometry

UT OnRamps is a dual enrollment partnership with the University of Texas at Austin. This course elaborates and extends the curriculum of the Pre-Calculus course through an inquiry-based approach. Independent topic assignments are part of the curriculum. Students must demonstrate their ability to do college work in order for the opportunity to earn college credit during the spring semester from UT transferable to any public college or university in Texas. Counts as Precalculus credit. *NOTE: Tuition and Fees are assessed for this UT-Austin OnRamps course. Fee waivers are available for students who meet eligibility requirements.*

GPA WEIGHT: 10 points

Statistics

Statistics ^

ID #03102530

Grade: 11-12

Credit: 1

Prerequisite: Algebra II

In Statistics, students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis.

AP Statistics ^

ID #A3100200

Grade: 10-12

Credit: 1

Prerequisites: Algebra II

AP Statistics covers descriptive statistics, inferential statistics, probability, and study design. Topics include real-world applications used in many businesses, scientific studies, and college-level programs. The course will follow the AP Statistics requirements outlined in the College Board's "Course and Exam Description" for AP Statistics. Students are expected to take the AP Statistics exam upon completion of the course.

GPA WEIGHT: 10 points

Statistics & Business Decision Making (CTE) ^

Grade 11-12

ID #13016900

Credit: 1

Prerequisite: Algebra II

Students will use a variety of graphical and numerical techniques to analyze patterns and departures from patterns to identify and manage the risk that could impact an organization. Students will use probability as a tool for anticipating and forecasting data within business models to make decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid.

Calculus

AP Calculus AB ^

ID #A3100101

Grade: 11-12

Credit: 1

Prerequisite: Pre-calculus

Students will extend their experience with functions as they study the fundamental concepts of calculus: limiting behaviors, difference quotients, and the derivative, Riemann sums and the definite integral, antiderivatives and indefinite integrals, and the Fundamental

Theorem of Calculus. Students review and extend their knowledge of trigonometry and basic analytic geometry. This class focuses on the study of differential calculus with limited exposure to the early concepts of integral calculus. Students are expected to take the AP Calculus AB exam upon course completion.

GPA WEIGHT: 10 points

AP Calculus BC ^

Grade: 11-12

ID #A3100102

Credit: 1

Prerequisite: Pre-Calculus

Calculus BC AP will develop the student's understanding of the concepts of calculus including functions, graphs, limits, derivatives, integrals and their applications, and polynomial approximations and series. This course covers all the topics of AP Calculus AB, together with an extensive study of integral calculus. Original applications of the concepts beyond those covered in class, together with small group investigations, are encouraged. Students are expected to take the AP Calculus BC exam upon course completion.

GPA WEIGHT: 10 points

Additional Mathematics Course Options

The State Board of Education (SBOE) has approved courses to substitute for math credits. Liberty Hill ISD offers the following approved math substitution courses: AP Computer Science A (CTE), Mathematical Applications in Agriculture, Food, and Natural Resources (CTE), Financial Mathematics (CTE), and Statistics & Business Decision Making (CTE).

Strategic Learning for High School Math

Grade 9-12

ID #N1110030

Credit: 1

Note: This is not an open enrollment course. Counselor approval is needed

This course is intended to create strategic mathematical learners. The basic understandings will stimulate students to think about their approach to mathematical problem-solving. The standards will encourage a deeper understanding of the task of learning mathematical concepts. This course is an elective math credit and will be taken concurrently with Algebra I.

Algebraic Reasoning

Grade: 9-12

ID #03102540

Credit: 1

Prerequisites: Algebra I and counselor approval

In Algebraic Reasoning, students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build workforce and college readiness.

Advanced Quantitative Reasoning ^

Grade 9-12

ID #03102510

Credit: 1

Prerequisites: Algebra I and Geometry

This course emphasizes statistics and financial applications, and it prepares students to use algebra, geometry, trigonometry, and discrete mathematics to model a range of situations and solve problems in engaging contexts.

Mathematical Applications in Agriculture, Food, and Natural Resources (CTE) ^

Grade 10-12

ID: #13001000

Credit: 1

Prerequisite: Algebra I

Recommended Prerequisites: Geometry and one credit from the courses in the Agriculture, Food, and Natural Resources career cluster

In Mathematical Applications in Agriculture, Food, and Natural Resources, students will apply knowledge and skills related to mathematics, including algebra, geometry, and data analysis in the context of agriculture, food, and natural resources. This course prepares students for careers in agriculture, food, and natural resources. Students will prepare for a career in the field of agriculture as well as reinforce, apply, and transfer their knowledge and skills related to mathematics in a variety of contexts.

Financial Mathematics (CTE)

Grade: 10-12

ID #13018000

Credit: 1

Prerequisites: Algebra I

Financial Mathematics is a course about personal money management. Students will apply critical thinking skills to analyze personal financial decisions based on current and projected economic factors.

Note: This course satisfies a math credit requirement for students on the Foundation High School Program.

AP Computer Science A ^**Grade: 10-12****ID: A3580110 (MATH) & A3580120 (LOTE)****Credit: 1**

Recommended Prerequisite: Computer Science I and Algebra I or a student should be comfortable with functions and the concepts found in the uses of functional notation such as $f(x) = x + 2$ and $f(x) = g(h(x))$

AP Computer Science A offers advanced programming in JAVA to prepare for the Advanced Placement Computer Science A exam.

Students taking AP Computer Science will receive both Math and LOTE Credit. This course meets the requirement for mathematics or LOTE graduation requirement. Please see your counselor for additional information concerning substitution options/requirements.

GPA points are awarded to the math portion of AP Computer Science and will not be applied to the LOTE credit since students are receiving two credits for one course.

GPA WEIGHT: 10 points**College Preparatory Mathematics****Grade: 12****ID #CP111200****Credit: 1**

Recommended prerequisite: Algebra II, Counselor approval for students seeking TSIA completion

College Preparatory Mathematics is designed to prepare students for entry-level college mathematics. The course will focus on the mathematics topics of elementary algebra; intermediate algebra and functions; geometry and measurement; data analysis, statistics, and probability. As part of the Texas Success Initiative (TSI), Texas law requires students entering college to meet readiness standards in reading and mathematics. Various assessments determine if a student needs reinforcement of specific skills. This course will help students to become college-ready in mathematics.

SCIENCE

Biology

Biology**Grade: 9-12****Biology Honors****Credit: 1****ID #03010200**

Biology investigates the interrelationships between living organisms and the world around them. Students in Biology study a variety of topics that include cell structure and function, mechanisms of genetics, evolution and classification, biological processes and systems, and interdependence within environmental systems. Concrete laboratory investigations and simulations deepen student understanding of topics covered. Ninth-grade students will take the STAAR Biology test in the spring semester. Passing the Biology End-of-Course exam is a graduation requirement.

GPA WEIGHT: 5 points for Honors only**AP Biology ^****Grade: 11-12****ID #A3010200****Credit: 1**

Prerequisites: Biology and Chemistry

AP Biology is an introductory college-level biology course designed to develop advanced inquiry and reasoning skills. Key concepts (Evolution, Cellular Processes-Energy and Communication, Genetics and Information Transfer, and Interactions) are organized around underlying principles encompassing core scientific principles, theories, and processes. This course prepares students to take the AP Exam.

GPA WEIGHT: 10 points

Integrated Physics and Chemistry

Integrated Physics and Chemistry (IPC)**Grade: 10-12****ID #03060201****Credit: 1**

Integrated Physics and Chemistry is an introduction to the science disciplines of physics and chemistry and is designed to develop scientific process skills, algebraic thinking, and problem-solving and integrates the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter. Note: IPC must be taken prior to Chemistry and/or Physics.

Chemistry

Chemistry**Grade: 10-12****Chemistry Honors****Credit: 1****ID #0304000**

Prerequisites: Biology and Algebra I

Chemistry uses laboratory investigations to study the basic principles of chemistry. Students study topics in the following categories: matter and the Periodic Table, atomic structure and nuclear chemistry, bonding and chemical reactions, gasses, thermochemistry, and solutions.

GPA WEIGHT: 5 points for Honors only

AP Chemistry**ID #A3040000****Grade: 11-12****Credit: 1***Prerequisites: Algebra II and Chemistry*

Chemistry AP is a laboratory-oriented introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances, transformations; and energy. This course prepares students to take the AP Exam.

GPA WEIGHT: 10 points**Physics****Physics****ID #03050000****Grade: 10-12****Credit: 1***Prerequisites: Biology and Algebra I**Recommended Prerequisite: Credit for or concurrent enrollment in Algebra II*

Physics includes laboratory investigations designed to introduce students to the practical application of physics. Basic physics concepts such as force and motion, gravitational, electrical, magnetic, and nuclear forces, momentum and energy, waves, and quantum phenomena will be covered throughout the year.

AP Physics**ID #A3050003****Grade: 10-12****Credit: 1***Prerequisites: Algebra II credit or concurrent enrollment*

AP Physics is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on inquiry-based laboratory work as they explore concepts including Newtonian mechanics; work, energy, power, mechanical waves and sound, and introductory electric circuits. No prior course work in physics is necessary. This course prepares students to take the AP Exam

GPA WEIGHT: 10 points**AP Physics II****ID # A3050004****Grade: 10-12****Credit: 1***Prerequisites: AP Physics I*

Advanced Physics 2 provides students with exposure to additional topics in physical science that are not covered in their first physics course. The additional topics include a heavy emphasis on Electricity and Magnetism, and includes wave motion, thermal dynamics, fluid motion, and modern physics. This is still an algebra-based physics course.

GPA WEIGHT: 10 points**OnRamps Dual Enrollment Physics (PHYS 1301)****ID #03050000****Grade 11-12****Credit: 1***Prerequisites: Algebra I, Geometry, and credit or concurrent enrollment in Algebra II*

UT OnRamps is a dual enrollment partnership with the University of Texas at Austin. Students must demonstrate their ability to do college work in order for the opportunity to earn college credit during the spring semester from UT transferable to any public college or university in Texas. *NOTE: Tuition and Fees are assessed for this UT-Austin OnRamps course. Fee waivers are available for students who meet eligibility requirements.*

GPA WEIGHT: 10 points**Additional Science Course Options****AP Environmental Science ^****ID #A3020000****Grade: 10-12****Credit: 1***Prerequisite: Biology, and Chemistry or Physics and credit in Algebra I*

Environmental Science AP helps students cultivate their understanding of the interrelationships of the natural world through inquiry-based lab investigations and field work as they explore concepts like the four Big Ideas: energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability. This course prepares students to take the AP Exam.

GPA WEIGHT: 10 points

Environmental Systems ^**Grade: 11-12****ID #03020000****Credit: 1***Prerequisite: Biology, and Chemistry or IPC*

Environmental Systems is a science class that uses topics introduced in Biology and Chemistry classes to study the environments that exist on Earth. The course focuses on a variety of topics including biotic and abiotic factors in habitats; ecosystems and biomes; interrelationships among resources and an environmental system; sources and flow of energy through an environmental system; relationships between carrying capacity and changes in populations and changes in ecosystems; and changes in Earth environments.

Aquatic Science ^**Grade 10-12****ID: 03030000****Credit: 1***Prerequisite: Biology*

Students will engage in a laboratory-oriented study of freshwater and marine environments. Studies include geological, biological, physical, and chemical properties of aquatic systems. Dissection and field research are both required.

Forensic Science (CTE) ^**Grade 11-12****ID: 13029500****Credit: 1***Prerequisite: Biology and Chemistry*

Forensic Science uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students learn terminology, investigative procedures, and scientific procedures used to solve crimes. *NOTE: May be utilized as a 4th science credit.*

Food Science (CTE) ^**Grade 11-12****ID: 13023000****Credit: 1***Prerequisite: 3 science credits including Biology and Chemistry*

Students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. Food science is the study of the nature of foods, the causes of deterioration in food products, the principles underlying food processing, and the improvement of foods for the consuming public. *NOTE: May be utilized as a 4th science credit*

Advanced Animal Science (CTE) ^**Grade 11-12****ID: 13000700****Credit: 1***Prerequisite: Principles of Agriculture and Small Animals or Livestock; Biology and Chemistry or IPC, Algebra I, Geometry**NOTE: May be utilized as a 4th science credit*

This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.

Anatomy & Physiology (CTE) ^**Grade 10-12****ID: 13020600****Credit: 1***Prerequisite: Biology and One HS Science Credit*

Students study the structures, functions, and interactions of human body systems through the integration of biology, chemistry, and physics. Dissection is part of the course. *NOTE: May be utilized as a 4th science credit*

Dual Credit Astronomy ^**Grade 11-12****ASU (PHYS 1303) & ACC (1303)****Credit: 1.0****ID: 03060100***Prerequisite: 3.0+ GPA or Top 50% of graduating class and counselor approval*

A study of the current knowledge and techniques of astronomy as applied to our solar system. Stellar astronomy and cosmology will be emphasized as well as information obtained from recent planetary probes and lunar exploration.

GPA WEIGHT: 10 points**Dual Credit Earth Space Science ^****Grade 11-12****ASU (PHYS 1304) & ACC (ASTR 1304)****Credit: 1.0****ID: 03060100***Prerequisite: 3.0+ GPA or Top 50% of graduating class and counselor approval*

A study of the Sun and its solar system: planets, satellites, meteors, comets, asteroids. Theories about the structure and origin of the solar system, with emphasis on recent discoveries.

GPA WEIGHT: 10 points

SOCIAL STUDIES

Geography

World Geography
World Geography Honors
ID #03320100

Grade: 9-12
Credit: 1

World Geography examines people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. Primary and secondary source materials, reading and writing skills, technology, and critical thinking will be used to acquire and apply information.

Honors GPA WEIGHT: 5 points

World History

World History
ID #03340400

Grade: 10-12
Credit: 1

NOTE: Students who plan to take AP World History should not enroll in this class.

World History provides students an overview of the entire history of humankind. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world.

AP World History
ID #A3370100

Grade: 10-12
Credit: 1

Advanced Placement World History requires students to develop mastery over the assigned content while developing the ability to practice the skills of a historian. Students will learn to develop their critical thinking skills by analyzing and interpreting both primary documents and writings by respected historians. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The focus is on the last 1000 years of the global experience. This course may be used to substitute for World History. This course prepares students to take the AP Exam.

GPA WEIGHT: 10 points

U. S. History

U.S. History
ID #03340100

Grade: 11-12
Credit: 1

U.S. History traces the emergence and growth of the United States following Reconstruction to the present. Crises, wars, victories, defeats, and peace are studied, using the examples of the World Wars, Korea, Cuba, Vietnam, and the Persian Gulf to understand how people and events of history have shaped the present and will continue to affect the future. Domestic issues are also emphasized. Eleventh-grade students will take the STAAR U.S. History test in the spring semester. Passing the U.S. History End-of-Course exam is a graduation requirement.

AP U.S. History
ID #A3340100

Grade: 11-12
Credit: 1

U.S. History AP is equivalent to college-level survey American History. The topics in this study follow the chronology of U.S. History from colonization to the present. Emphasis is placed on reading, constructing arguments, and analyzing data and opinions. This course prepares students to take the AP Exam. Eleventh-grade students will take the STAAR U.S. History test in the spring semester. Passing the U.S. History End-of-Course exam is a graduation requirement.

GPA WEIGHT: 10 points

OnRamps Dual Enrollment US History (HIST 1301 & 1302)
ID: 03340100

Grade 11-12
Credit: 1

Prerequisite: World History or World Geography and English II

UT OnRamps is a dual enrollment partnership with the University of Texas at Austin. Students must demonstrate their ability to do college work in order for the opportunity to earn college credit during the spring semester from UT transferable to any public college or university in Texas. Students completing the UT course successfully will earn 6 hours of college credit. Eleventh-grade students will take the STAAR U.S. History test in the spring semester. Passing the U.S. History End-of-Course exam is a graduation requirement. *NOTE: Tuition and Fees are assessed for this UT-Austin OnRamps course. Fee waivers are available for students who meet eligibility requirements.*

GPA WEIGHT: 10 points

Government

U.S. Government

ID #03330100

Grade: 12

Credit: 0.5

The goal of the Government class is for the students to understand world issues, to identify the rights and obligations of citizens, and to become active participants in the democratic process. This course focuses on the principles and beliefs upon which the United States was founded. Topics will include the structure, functions, and powers of government at the national, state, and local levels. Primary and secondary source materials, reading and writing skills, technology, and critical thinking will be used.

AP Government & Politics, United States

ID #A3330100

Grade: 12

Credit: 0.5

This course will focus on the study of the government established by the U.S. Constitution, including the federal system, separation of powers, and major historical events in the American political system. Knowledge of U.S. History is strongly recommended. This course prepares students to take the AP Exam.

GPA WEIGHT: 10 points

Dual Credit Government

ASU Course (POLS 2305) and ACC (GOVT 2305)

Grade 12

Credit: 0.5

ID #3330100

Prerequisite: US History, counselor approval is required, must meet TSI requirements

This course is an introduction to the United States national government. The course includes a framework for understanding the United States government and politics and the constitutional basis for the processes, the Institutions, and the policies of the United States government and politics.

GPA WEIGHT: 10 points

Dual Credit Texas Government

ASU Course (POLS 2306) and ACC (POLS 2306)

Grade 12

Credit: 0.5

ID: 3310300

Prerequisite: US History, counselor approval is required, must meet TSI requirements

Texas government is a study of the origin and development of the Texas Constitution, structure and powers of state and local government, federalism and intergovernmental relations, political participation, the election process, public policy, and the political culture of Texas. High school credit earned for Special Topics in Social Studies.

GPA WEIGHT: 10 points

Economics

Economics with Free Enterprise System and its Benefits

ID #03310300

Grade: 12

Credit: 0.5

Economics and the Free Enterprise System focuses on the impact of economics on the lives of people. Economics emphasizes on the basic principles of production, consumption, and distribution of goods and services in the United States and a comparison with those of other countries.

Dual Credit Economics-Principles of Macroeconomics

ASU (2301) & ACC (ECON 2301)

Grade 12

Credit: 0.5

ID #3310300

Prerequisite: US History, counselor approval is required, must meet TSI requirements

This Economics course will focus on consumers as a whole, producers as a whole, the effects of government spending and taxation, and the monetary policy of the Federal Reserve. Macroeconomics is concerned with unemployment, inflation, and the business cycle.

GPA WEIGHT: 10 points

AP Macroeconomics

ID #A3310200

Grade: 12

Credit: 0.5

Macroeconomics AP is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts and data to analyze, describe and explain economic concepts. AP Microeconomics is the equivalent of college-level survey economics. This course prepares students to take the AP Exam.

GPA WEIGHT: 10 points

Additional Social Studies Course Options

Personal Financial Literacy **ID #03380082**

Grade: 10-12
Credit: 0.5

Personal Financial Literacy is designed to be an interactive and research-based course in which students will apply critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and college and post-secondary education and training. The goal is to develop the skills necessary to make sound, informed financial decisions that will allow students to lead a financially secure lifestyle and understand personal financial responsibility.

Psychology **ID #03350100**

Grade: 11-12
Credit: 0.5

Psychology is an introduction to the field of psychology that includes opportunities for students to study the historical development of the field of psychology, consider the development of the individual and personality, and study various topics including emotion, motivation, learning, and dysfunctional behavior.

Dual Credit Psychology **ASU (PSY 2301) & ACC (PSYC 2301)** **ID: 03350100**

Grade: 10-12
Credit: 0.5

Prerequisite: 3.0+ GPA or TOP 50% of graduating class and counselor approval is required

Introduction to the scientific study of factors underlying behavior. In addition to the physiological bases of behavior, other factors such as intelligence, learning, motivation, emotion, and perception are covered.

GPA WEIGHT: 10 points

Sociology **ID #03370100**

Grade: 11-12
Credit: 0.5

Sociology provides an introductory scientific study of human behavior, social groups, and society. Using case studies, current events, and research, students will study components of culture, research methods, social structure, stratification, the socializing process, deviational social control, and social movements.

Dual Credit Sociology **ACC (SOCI 1301)** **ID #03370100**

Grade: 11-12
Credit: 0.5

Sociology provides an introductory scientific study of human behavior, social groups, and society. Using case studies, current events, and research, students will study components of culture, research methods, social structure, stratification, the socializing process, deviational social control, and social movements.

LANGUAGES OTHER THAN ENGLISH

World Languages

Following the American Council on the Teaching of Foreign Languages guidelines, all World Languages courses are conducted mainly in the target language. Students who plan to register for any World Language course and are already proficient in the language, may take an exam to receive credit for the language, or advance to upper levels. The student may skip levels based on the outcomes of the exam. Liberty Hill ISD offers ACTFL exams to determine proficiency in more than 100 languages. Credit is awarded based on the proficiency level of the student. To register for the exam, please see your counselor.

The State Board of Education (SBOE) has approved specific computer sciences to substitute for World Language credits. Liberty Hill ISD offers AP Computer Science A. Although computer science is a state-approved World Languages substitution credit, not all colleges and universities accept computer science for admission purposes. Please see your counselor for additional information concerning substitution options/requirements.

Please see the Languages Other Than English substitution section in the front of the course catalog for more detailed information on substitutions.

American Sign Language

Note: Although American Sign Language (ASL) is a state-approved World Language elective credit, not all colleges and universities accept ASL for admission purposes. Some colleges/universities do not offer ASL, which means that students must change languages if a language is required for college graduation. Interested students should contact the prospective college or university for specific admission requirements and course offerings/requirements.

American Sign Language I

Grade: 9-12

ID #03980100

Credit: 1

ASL I is an introductory course of the study of the receptive and expressive aspects of signs, non-manual communication, and grammatical features of ASL in everyday situations and other meaningful contexts. The course also explores the cultural perspective of the deaf community and the interrelationship of languages.

American Sign Language II ^

Grade: 10-12

ID #03980200

Credit: 1

Prerequisite: ASL I

ASL II builds on the language skills acquired in ASL I. Students will develop their signing skills in various everyday situations and further explore the cultural perspective of the deaf community.

American Sign Language III Honors ^

Grade: 11-12

ID #03980300

Credit: 1

Prerequisite: ASL II

ASL III provides extensive vocabulary development combined with interpreter training. Students will spend class time developing sign-to-voice and voice-to-sign interpreting skills. This class is designed to develop confidence in communicating with deaf people in a variety of situations and to prepare students that may be interested in pursuing a degree in deaf-related careers.

GPA WEIGHT: 5 points

American Sign Language IV Honors ^

Grade: 12

ID #03980400

Credit: 1

Prerequisite: ASL III

ASL IV provides advanced interpreter training, independent community exploration as well as continued advancement in upper-level vocabulary and classifiers. Students will spend class time developing a portfolio of a variety of interpreting scenarios (doctor's visit, VRS call, etc.). This class is designed to develop confidence in interpreting as well as communicating effectively with deaf people in a variety of situations and to further prepare students interested in enrolling in a bachelor's degree program in interpreting.

GPA WEIGHT: 5 points

Spanish

Spanish I

Grade: 9-12

ID #03440100

Credit: 1

Spanish I introduces the basic language skills of showing, viewing, listening, reading, speaking, and writing in Spanish. Students will learn vocabulary and grammatical structures necessary to communicate in everyday situations. A variety of videos, student presentations, projects, and dramatizations will reinforce language skills and introduce various aspects of Hispanic culture. Students are expected to take an active role in all oral activities to enhance proper pronunciation.

Spanish II ^

Grade: 9-12

ID #03440200

Credit: 1

Prerequisite: Spanish I

Spanish II renews the basic structures, functions and vocabulary learned in Spanish I and continues with advanced structures and vocabulary to increase language proficiency. Oral and written communication skills are practiced and evaluated through a variety of activities including dramatizations. Emphasis on Hispanic culture continues through videos and readings.

Spanish II Honors^ (available for the class of 2027 and beyond)

Grade: 9-12

ID #03440200

Credit: 1

Prerequisite: Spanish I

Spanish II renews the basic structures, functions and vocabulary learned in Spanish I and continues with advanced structures and vocabulary to increase language proficiency in reading, writing, speaking and listening skills. Oral and written communication skills are practiced and evaluated through a variety of activities including dramatizations.

Spanish III ^
ID # 03440300

Grade: 10-12
Credit: 1

Prerequisite: Spanish II

Spanish III continues to emphasize the communication skills established in levels I and II to increase proficiency. Students will learn advanced structures and vocabulary necessary to interact socially, communicate ideas, feelings and attitudes, and to provide and request information. The study of Hispanic culture will be highlighted through videos, art, literature and authentic readings.

Spanish III Honors ^
ID #03440300

Grade: 10-12
Credit: 1

Prerequisite: Spanish II

Spanish III continues to emphasize the communication skills established in levels I and II to increase proficiency in reading, writing, speaking, and listening skills. Students will learn advanced structures and vocabulary necessary to interact socially, communicate ideas, feelings, and attitudes, and provide and request information. The study of Hispanic culture will be highlighted through videos, art, literature, and authentic readings.

GPA WEIGHT: 5 points

AP Spanish IV: Language and Culture ^
ID #A3440100

Grade: 9-12
Credit: 1

Prerequisite: Spanish III or through placement

Spanish IV AP Language and Culture course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The course strives not to overemphasize grammatical accuracy at the expense of communication and engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. This course prepares students to take the AP Exam.

GPA WEIGHT: 10 points

Computer Languages

Computer Science I
ID #03580200 (LOTE)

Grade: 9-12
Credit: 1

Prerequisite: Algebra I

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem-solving, and decision making; digital citizenship; and technology operations and concepts.

AP Computer Science A ^
ID: A3580110 (MATH) & A3580120 (LOTE)

Grade: 10-12
Credit: 1

Recommended Prerequisite: Computer Science I and Algebra I or a student should be comfortable with functions and the concepts found in the uses of functional notation such as $f(x) = x + 2$ and $f(x) = g(h(x))$

AP Computer Science A offers advanced programming in JAVA to prepare for the Advanced Placement Computer Science A exam. Students taking AP Computer Science will receive both Math and LOTE Credit. This course meets the requirement for mathematics or LOTE graduation requirement. Please see your counselor for additional information concerning substitution options/requirements. GPA points are awarded to the math portion of AP Computer Science and will not be applied to the LOTE credit since students are receiving two credits for one course.

AP Computer Science Principles ^
ID #A3580300 (LOTE)

Grade: 9-12
Credit: 1

Recommended Prerequisite: Algebra I

Computer Science Principles AP introduces students to the digital age. This course promotes computational thinking while exploring the global impact of the internet and technology. Topics covered include creativity, abstraction, data and information, algorithms, and programming. Students are required to submit a creative project to the college board as part of their end-of-course evaluation. This course prepares students to take the AP Exam.

GPA WEIGHT: 10 points

Test Proficiency Options

Language Proficiency Assessment with AAPPL

Credit: Based on Results

ACTFL Assessment of Performance Toward Proficiency in Languages

The ACTFL Assessment of Performance toward Proficiency in Languages (AAPPL) is unlike any other assessment. AAPPL Measure addresses the World-Readiness Standards for Learning Languages and uses today's communication media in which test-takers perform tasks such as participating in a virtual video chat, creating wikis, e-mailing, and using apps to demonstrate language ability. The AAPPL Measure assesses the following modes of communication: interpersonal listening/speaking, presentational writing, and interpretive reading and listening. The assessment is available for Arabic, Chinese, French, German, Hindi, Italian, Japanese, Korean, Portuguese, Russian, Spanish, and Thai.

If a student is interested in using the AAPPL to gain a L.O.T.E. credit, please see your counselor for more details.

FINE ARTS

The following courses meet the state fine arts graduation requirement. In accordance with The State Board of Education (SBOE) rules Liberty Hill ISD offers the following approved fine arts substitution course:

Art

Art I

Grade: 9-12

ID #03500100

Credit: 1

Students explore the elements of art and principles of design with emphasis on visual literacy skills, use of critical thinking, imagination, and the senses to explore the world alongside creative problem-solving. Students create original art in a variety of media, study art history, and participate in the critique processes.

Ceramics

Art II: Ceramics I ^

Grade: 9-12

ID #03500900

Credit: 1

Prerequisite: Art I

Students explore 3-D design through clay by creating original designs and focusing on strong craftsmanship with an emphasis on form. The course is about functional and sculptural aspects of ceramics. Hand-building (coil and slab) and wheel-throwing are presented.

Art III: Ceramics II ^

Grade: 9-12

ID #03501800

Credit: 1

Prerequisite: Art II: Ceramics I

Students continue to explore 3-D design with clay. They create original designs with an emphasis on form while adding to their skill sets learned in Ceramics I. The course focuses on functional and sculptural aspects of ceramics in an increasingly independent studio practice resulting in personal work that is technically rich.

Art IV: Ceramics III ^

Grade: 10-12

ID #03502700

Credit: 1

Prerequisite: Art III: Ceramics II

Students explore 3-D design within a facilitated studio practice through clay as a medium for expression. Exploration of glazing techniques and innovative use of media is encouraged. The course focuses on both functional and sculptural aspects of ceramics, with an emphasis on building a 3-D college-ready portfolio.

Drawing

Art II: Drawing I

Grade 9-12

ID #03500500

Credit: 1

Prerequisite: Art I or Teacher Approval

Students solve visual problems through planning and executing drawings for a personal portfolio by exploring technical basics in drawing media like colored pencils, pencil studies, and mixed media. Visual literacy, originality, observational drawing, and more are emphasized. Critique of student/master artworks is required.

Art III: Drawing II ^**ID #03501300****Grade: 10-12****Credit: 1***Prerequisite: Art II: Drawing I*

Students execute original drawings for their portfolio, refining technical skills, and continuing to experience the critique process while producing visually rich personal work.

Art IV: Drawing III ^**ID #03502300****Grade: 11-12****Credit: 1***Prerequisite: Art III: Drawing II*

Students solve complex visual problems through planning and executing a variety of drawings for their portfolios. Refining previously learned skills and concepts, they increase their aesthetic and cultural awareness

Painting**Art II: Painting I****ID #03500600****Grade 9-12****Credit: 1***Prerequisite: Art I*

Painting is a year-long visual art course where students will explore and experience a variety of painting techniques, media, and historical approaches to art. Painting is a problem-solving course dealing with form, color, line, and texture (figurative and abstract). Through the use of the world outside the classroom, models, drawings, photographs, and imagination, students interpret and express the painter's world in a variety of materials including acrylic and tempera paint, watercolor, ink, paper and canvas as well as a variety of experimental media.

Art III: Painting II ^**ID #03501400****Grade: 10-12****Credit: 1***Prerequisite: Art II: Painting I*

Painting is a year-long visual art course where students will explore and experience a variety of painting techniques, media, and historical approaches to art. Painting is a problem-solving course dealing with form, color, line, and texture (figurative and abstract). Through the use of the world outside the classroom, models, drawings, photographs, and imagination, students interpret and express the painter's world in a variety of materials including acrylic and tempera paint, watercolor, ink, paper and canvas as well as a variety of experimental media.

Art IV: Painting III ^**ID #03502400****Grade: 11-12****Credit: 1***Prerequisite: Art III: Painting II*

Painting is a year-long visual art course where students will explore and experience a variety of painting techniques, media, and historical approaches to art. Painting is a problem-solving course dealing with form, color, line, and texture (figurative and abstract). Through the use of the world outside the classroom, models, drawings, photographs, and imagination, students interpret and express the painter's world in a variety of materials including acrylic and tempera paint, watercolor, ink, paper and canvas as well as a variety of experimental media.

Art Appreciation**Art Appreciation- ASU(ARTS 1301) & ACC (ARTS 1301 ^****ID # 03500110****Grade: 9-12****Credit: 1***Prerequisite: 3.0+ GPA or Top 50% OF Graduating Class or Counselor Approval*

A course designed to lead to a basic understanding and increased enjoyment of the visual arts. For non-art majors/minors only.

Dance**Principles of Dance I-IV****ID #03930100****Grade: 9-12****ID #03830200 ^****Credit: 1****ID #03830300 ^****ID #03830400 ^**

Principles of Dance I will introduce the terminology and general principles of dance. Students perform beginning/intermediate movements in a variety of genres, study choreography, develop self-discipline, and participate in group routines/projects. In Principles of Dance II, students create expressive phrases, explore the role of dance in diverse cultures, and analyze performances.

Principles of Dance III extends development in styles and concepts, with opportunities for students to conduct research into dance history and develop performance evaluation skills. In Principles of Dance IV, students will develop and assess their artistic growth, create, produce, and perform dance works, design costumes, and relate dance to culture and contemporary society. A class uniform is required for all these courses, and students are required to perform in recitals and shows. There may be a cost associated with taking a Dance course.

Dance Performance Ensemble I-IV (Drill Team: Liberty Belles and Stars)

Grade: 9-12

ID #PES00014

Credit: 1

ID #03833300

ID #03830400 ^

ID #03830500 ^

ID #03830600 ^

Audition Required

Students utilize a variety of dance forms in a highly visible and competitive organization. The course involves extensive rehearsals and performances during school and outside the school day. Performances are given regularly for athletic events, community events, and shows throughout the year. There may be a cost associated with taking these courses. Note: After successful completion of Dance I, students will receive a credit in physical education.

Floral Design

Floral Design (CTE)

Grade: 9-12

ID #13011800

Credit: 1

Floral Design prepares students to design and arrange flowers, foliage, and related plant materials for interior locations. They will learn to handle, care for, and identify flowers and foliage plants; create contemporary and specialty floral items; develop knowledge of sound business management practices; and explore careers in the floral industry. There is a cost associated with taking this course.

Industry-Based Certification available

Music: Band

Band I-IV

Grade: 9-12

ID #PES00012

Credit: 1

ID #03150100

ID #03150200 ^

ID #03150300 ^

ID #03150400 ^

Students enrolled in Band will participate in marching band unless excused by the band director. Marching band rehearsals begin near the end of July and continue throughout the fall semester with rehearsals occurring before and after school. This band will march at varsity football games, marching contests, and UIL sponsored contests.

Participation in band is subject to instructor placement as determined by audition to assess the student's instrumental technique and music reading skill. All band students are required to participate in rehearsals and performances before school and after school.

Band students are expected to rent or purchase their own instruments (except for certain instruments provided by the school district) and to purchase their own mouthpieces, reeds, and other accessories. Note: After successful completion of the marching band activity in Band during the fall semester, students will receive up to 1.0 credit in physical education. (0.5 for each fall marching band activity, up to 1.0 credit)

Jazz Ensemble I-IV

Grade: 9-12

ID #03151300

Credit: 1

ID #03151400

ID #03151500

ID #03151600

Audition Required

Selection into this group is by audition, director recommendation, and demonstration of academic proficiency. The Jazz Ensemble will give numerous performances both on and off-campus. Students apply the foundational skills learned in their primary band class to the preparation of ability appropriate literature for stage or "jazz" bands. Students learn jazz, swing, Latin, and rock idioms along with basic improvisation.

Color Guard I-IV
ID #PES00012
ID #03150100
ID #03150200 ^
ID #03150300 ^
ID #03150400 ^

Grade: 9-12
Credit: 1

Audition Required

Selection into Color Guard is by audition only. Students in the color guard will perform with the marching band. Individual members will use a variety of auxiliary equipment and dance to visually enhance the marching band. The Color Guard performs in conjunction with the marching band. In the spring semester, the Color Guard continues performance through the Winter Guard program. There may be a cost associated with taking these courses. Note: Students will receive an additional physical education substitution credit for the fall semester of color guard not to exceed one full credit.

Music: Choir

Choir I-IV
ID #03150900
ID #03151000 ^
ID #03151100 ^
ID #03151200 ^

Grade: 9-12
Credit: 1

Prerequisite: Audition for levels II-IV

Choir courses place a strong emphasis on music reading and vocal technique, as well as the development of self-discipline, team building, and a strong work ethic in a positive atmosphere. Students are placed in a choir class that best meets their individual needs and experience. Students perform in a variety of musical styles in large and small ensembles and have the opportunity to perform as soloists. Show Choir is for students who want to combine the physical demand of choreography with music performance. Performance opportunities include Choir Concerts, UIL Concert, and Sight-reading Evaluation, UIL Solo Contests, and state auditions. There may be a cost associated with participating in choir. Note: Show Choir meets the state standard for the physical education graduation requirement; however, students cannot receive

Music Studies

Music Appreciation - ASU (MUSI 2306) & ACC (MUSI 1306) ^
ID #03155600

Grade: 9-12
Credit: 1

Prerequisite: 3.0+ GPA or Top 50% of Graduating Class and Counselor Approval

A study of what constitutes art music, the basic elements of music, and their use in the major style periods and genres of Western European Art Music.

Musical Theatre

Musical Theatre I-II
ID #03251900, 03252000

Grade: 9-12
Credit: 1

Students will be active in a wide range of on-stage performance disciplines, including acting performance, vocal performance, and dance performance. The course will also provide an atmosphere in which students benefit from a teaching and learning experience in these performance disciplines of Broadway-style musical theatre. Note: Students will be required to participate in activities outside of the regular school day.

Technical Theatre

Technical Theatre I-IV
ID #03250500
ID #03250600 ^
ID #03251100 ^
ID #03251200 ^

Grade: 9-12
Credit: 1

Prerequisite: Portfolio Review may be required

Fundamentals of stage design, set and property construction, costumes, and make-up, as well as the principles of stage lighting and sound, are presented in this course. Students will learn all responsibilities of a production crew including the job of stage manager, director, and assistant director. Technical Theatre II-IV is a continuation of learning the above technical elements of theatre and is a hands-on application of skills learned while offering design challenges. There may be a cost associated with taking a Technical Theatre course, and students are encouraged to attend play rehearsals and serve on production crews.

Theatre Arts

Theatre I

Grade: 9-12

ID #03250100

Credit: 1

Theatre I is an introduction to the elements of theatre, including basic acting techniques, technical theatre, interpretation of dramatic literature, stage movement, mime, voice and diction, improvisation, and scene presentation. Students will practice relaxation and preparatory techniques, examine dramatic structure, and develop audience appreciation skills by attending live theatrical performances. Students will participate in performances during class as an actor or part of a crew numerous times throughout the year.

Theatre Productions I-IV

Grade: 9-12

ID #03250700

Credit: 1

ID #03250800 ^

ID #03250900 ^

ID #03251000 ^

Prerequisites: Audition

Theatre Production classes are geared toward learning through production work. Outside of school time commitment is required. There is an emphasis on directing and students will learn how to make a production notebook. In theatre production classes, students are provided opportunities to learn about and participate in all aspects of theatre production. Students will learn increasingly more difficult performance and technical skills and are required to participate in productions for the community and school. There may be a cost associated with taking these courses. Note- One Act Play (OAP) will be incorporated into Theater Productions IV with director approval.

HEALTH/PHYSICAL EDUCATION/ATHLETICS

Lifetime Nutrition & Wellness (Health/CTE)

Grade: 10-12

ID # 13024500

Credit: 0.5

Lifetime Nutrition and Wellness is a semester laboratory course that allows students to use principles of nutrition to make informed decisions that promote lifelong wellness. Instruction will focus on the role that nutrients have on our body, digestion, and metabolism, understanding the importance of a balanced diet, safety and sanitation in the lab, healthy food preparation, and careers in nutrition. *NOTE: TYPICALLY PAIRED WITH PROFESSIONAL COMMUNICATIONS (SPEECH), REQUIRED FOR GRADUATION*

Lifetime Fitness and Wellness Pursuits

Grade: 9-12

ID #PES00051

Credit: 1

The Lifetime Fitness and Wellness Pursuits course offers current approaches for the foundation of personal fitness, physical literacy, lifetime wellness, and healthy living. Students in Lifetime Fitness and Wellness Pursuits will apply the knowledge and skills to demonstrate mastery of the concepts needed to achieve lifetime wellness. Students will participate in a variety of physical activities for attaining personal fitness and lifetime wellness. *NOTE: STUDENTS MAY TAKE LIFETIME FITNESS & WELLNESS PURSUITS A MAXIMUM OF ONE TIME; THIS COURSE IS OFFERED ONCE EVERY THREE YEARS*

Skill-Based Lifetime Activities

Grade: 9-12

ID #PES00056

Credit: 1

The Skill-Based Lifetime Activities course offers students the opportunity to demonstrate mastery in basic sport skills, basic sport knowledge, and health and fitness principles. Students experience opportunities that promote physical literacy and lifetime wellness..

NOTE: STUDENTS MAY TAKE SKILLED-BASED LIFETIME ACTIVITIES A MAXIMUM OF ONE TIME; THIS COURSE IS OFFERED ONCE EVERY THREE YEARS

Cheerleading

Grade: 9-12

ID #PES00013

Credit: 1

ID #PES00052

ID #PES00054

ID #PES00055

Prerequisite: Selected from Tryout

Cheerleaders promote participation in and support the athletic teams and student body. In addition to kinesthetic fundamentals of dance, stunting, and tumbling, cheerleaders will develop skills of leadership, cooperation, self-discipline, and sportsmanship. There are a limited number of participants selected and tryouts are in the spring following a week-long tryout clinic. *NOTE: Students can receive a maximum of four PE credits for cheerleading.*

Athletic Trainer I – IV*

Grade: 9-12

ID: PES00000

Credit: 1

Instructor Approval Required

This course is designed to introduce students to the profession of athletic training. It includes a comprehensive analysis of the theories and practices in preventing, recognizing, and treating common athletic injuries. The course will include such topics as first aid, emergency procedures, athletic injuries, rehabilitation of injuries, protective sports equipment, and equipment repair. Students will work under the direction of a licensed athletic trainer and will be required to satisfy an after-school time commitment. During this course, students will be eligible to obtain CPR and first aid certification. *NOTE: BEFORE AND AFTER SCHOOL PRACTICES.*

**Note- students may only receive one PE credit per semester. Any student enrolled in PE/Athletics and Athletic Trainer during the same semester will only receive credit for PE/Athletics. Any student enrolled in Cheer and Athletic Trainer during the same semester will only receive credit for Cheer.*

Athletics

Students may be enrolled in only one section during the regular school day for practice of inter-school competitive athletics and for programs in which body conditioning, training, and other activities in one of the team sports is the objective of the teacher and students. Students who enroll in an athletic class will be subject to removal and placed in an alternate class for the remainder of the semester if they do not meet the athletic standard required for participation on a competitive team. All students must pass a physical examination each year of athletics and complete all other appropriate forms. Athletic team classes meet every day. *Note: Students receive one PE substitution credit for each year of successful completion of Athletics for a maximum of four credits. All remaining Athletic credits are local credits and will not be counted toward the state recommended graduation plan of 26 credits.*

Athletics

Prerequisites: Member of the athletic team, Coach's recommendation, and approval

Grade: 9-12
Credit: 0.5-1.0

Boys Athletics

Baseball

Basketball

Football

Soccer

Girls Athletics

Basketball

Soccer

Softball

Volleyball

Coed Athletics

Cross Country

Golf

Swim & Dive

Tennis

Track & Field

Wrestling

Off-Campus Physical Education Substitutions

Off-Campus PE Program I-VI

ID: PES00008, PES00009, PES00010, PES00011

Grade 9-12

Credit: 1

NOTE: DISTRICT PROGRAM APPROVAL REQUIRED: [Liberty Hill ISD Off Campus PE Forms](#)

Off-Campus PE (OCPE): In accordance with local district policy, a school district may award up to four credits for physical education for appropriate private or commercially sponsored physical activity programs conducted off-campus. The purpose of the OCPE Program is to accommodate students who are making a serious effort to develop higher-level skills in a specific activity that exceeds what the school district can offer through the general physical education program. Students are expected to be physically educated, along with being physically active. Students are expected to show accountability of skill development as well as learned physical activity. Knowledge of Health concepts and age-appropriate social development are also requirements of the Texas Essential Knowledge and Skills for Physical Education.

Category (1) Olympic-level participation and/or competition including a minimum of 15 hours per week of highly intensive, professional, supervised training. The training facility, instructors, and the activities involved in the program must be certified by the superintendent to be of exceptional quality. Students qualifying and participating at this level may be dismissed from school one hour per day. Students dismissed may not miss any class other than physical education. Below are the criteria for participating in Category 1 Olympic-Level OCPE:

1. Participation includes a minimum of 15 hours per week of highly intensive, professional, supervised training.
2. Participation hours are achieved only during instructional time, not for competitive or game events. Animal care and grooming do not apply to participation hours.
3. The training facility, instructors, and the activities involved in the program must be certified by the superintendent as highly qualified.
4. Students qualifying and participating at this level may be dismissed from school for one hour at the end of the day. No team sports. Students dismissed may not miss any class other than physical education.
5. Off-campus physical education is only available to students participating in individual sports.
6. High school students are not eligible to participate in programs that the UIL offers.
7. Students who drop out of the program prior to the end of the semester will be scheduled into a campus physical education class. No credit is awarded.
8. Students are not allowed to change facilities or activity programs during the year without district approval.
9. Different programs may not be combined to meet Category I minimum time requirements.
10. Transportation is not provided.
11. Background checks are not provided.
12. Students are responsible for all fees associated with the activity.

Category (2) Private or commercially sponsored physical activities including those certified by the superintendent to be of high quality and well supervised by appropriately trained instructors. Student participation of at least 5 hours per week must be required. Students certified to participate at this level may not be dismissed from any part of the regular school day. The application deadline is the last day of the school year. Below are the criteria for participating in Category 1 Olympic-Level OCPE:

1. Participation includes a minimum of 5 hours, but less than 15 hours per week at a private or commercially sponsored agency that provides physical activities which include those certified by the superintendent to be of a high quality and well supervised by highly qualified instructors.
2. Off-campus physical education is only available to students participating in individual sports. Team sports are not eligible for this program.

3. High school students are not eligible to participate in programs that the UIL offers.
4. Students participating in Category II waivers may not be dismissed from any part of the regular school day.
5. Transportation is not provided.
6. Background checks are not provided.
7. Students are responsible for all fees associated with the activity.

COLLEGE, CAREER AND LEADERSHIP DEVELOPMENT

Leadership Development

Peer Assistance and Leadership, I (PALs)

ID #N1290005

Grade: 11-12

Credit: 1

PALS is a mentoring and service program allowing students to mentor other students within the school district including elementary and middle school grades.

Panther Cadets

The Panther Cadet program strives for the mission to instill ideals of leadership, character, honor, and service. The program promotes patriotism and develops a high degree of personal honor, self-reliance, individual discipline, and leadership. Students will learn about the basic elements of, and need for, national security and the critical role of sea, as well as air and space power. Panther Cadets is both a curricular and extra-curricular program with many opportunities for students to get involved on any of a number of teams including armed/unarmed drill, color guard, physical fitness, orienteering, academic, air rifle, rocketry, and CyberPatriot.

As an elective course, Panther Cadets provides 0.5 PE credit for each semester completed. Enrollment in Panther Cadets satisfies the physical education requirement for graduation and is taken in lieu of PE. LHISD has a goal to have the Panther Cadet program become a JROTC affiliated program in the future.

Panther Cadets I

ID #PES00056

Grade: 9-12

Credit: 1

This course teaches students to appreciate the ethical values and principles of good citizenship, the develop leadership potential; to think logically and to communicate effectively; to appreciate the importance of physical fitness in maintaining good health; to understand the importance of high school graduation for a successful future, and to become familiar with military history as it relates to America's culture. Students get the unique opportunity to properly wear a uniform. Panther Cadets spring and summer camps are an additional component of the program. Students will have the opportunity to participate in extracurricular activities associated with this course. *Note: Students receive one physical education substitution credit for the first year of Panther Cadets.*

Panther Cadets II, III, and IV

PES00051^

PES00053

Grade: 10-12

Credit: 1

Prerequisite: Panther Cadets I

This course is a natural continuation of Panther Cadets I and will follow much of the same format. Each additional course provides an in-depth study of the subjects introduced in Panther Cadets I. Additionally, students are assigned staff positions within the Panther Cadets program and develop, coordinate and execute plans to support their staff position. Selected students may attend spring and summer camps where they experience a confidence course, obstacle course, leadership reaction course, water safety instruction, and much more.

CAREER AND TECHNICAL EDUCATION

The Liberty Hill Independent School District offers Career and Technical Education Programs in eleven different career cluster areas. Admission to these programs is based on interests and aptitude, age appropriateness, and available class space.

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

Liberty Hill Independent School District will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.

Career Development

Career Preparation I/Extended

ID #12701300/12701305

Grade: 11-12

Credit: 2/3

Prerequisite: Student Enrollment Request, Obtain employment within 10 days of course start date and remain employed for duration of the school year

Career Preparation I is a year-long course that provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success. Students will receive instruction in the classroom during 1 class period and then have either 1 or 2 designated class periods to work at their place of employment. Students must be enrolled in both the classroom instruction period and at least 1 work period in order to receive credit for the course.

Career Preparation II/Extended ^

ID #12701400/12701405

Grade: 12

Credit: 2

Prerequisite: Career Preparation I, Student Enrollment Request, Obtain employment within 10 days of course start date and remain employed for duration of the school year

Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career Preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success. Students will receive instruction in the classroom during 1 class period and then have either 1 or 2 designated class periods to work at their place of employment. Students must be enrolled in both the classroom instruction period and at least 1 work period in order to receive credit for the course.

Agriculture, Food and Natural Resources

Principles of Agriculture, Food & Natural Resources

ID #13000200

Grade: 9-12

Credit: 1

Principles of Agriculture, Food, and Natural Resources is designed to enhance understanding of the agriculture industry. Students will develop technical knowledge and skills related to plant and animal systems, food production, mechanical systems, entrepreneurship, leadership, and environmental sciences. This course is strongly encouraged for students planning an Agriculture Science Program of Study or a career in Agriculture.

Agribusiness

Professional Standards in Agribusiness ^

ID #13000800

Grade: 9-12

Credit: 0.5

Professional Standards in Agribusiness is a semester course that focuses on leadership, communication, employer-employee relations, and problem-solving as they relate to agribusiness.

Note: Meets speech requirement for graduation.

Agribusiness Management and Marketing Lab ^

ID #13000910

Grade: 10-12

Credit: 2

Agribusiness Management and Marketing is designed to provide a foundation for agribusiness management and the free enterprise system. Instruction includes the use of economic principles such as supply and demand, budgeting, record keeping, finance, risk management, business law, marketing, and careers in agribusiness.

Agricultural Leadership, Research, and Communications ^**Grade: 10-12****ID #N1300266****Credit: 1**

Prerequisite: One credit from courses in the Agriculture, Food, and Natural Resources career cluster

Agriculture Leadership, Research, and Communications will focus on challenging students to use higher-level thinking skills, develop leadership abilities, employ standard research principles, and communicate agricultural positions effectively with all stakeholders.

Animal Science**Small Animal Management ^****Grade: 10-12****ID #13000400****Credit: 0.5**

Recommended Prerequisite: Principles of Agriculture, Food & Natural Resources

Small Animal Management is a semester course that is an overview of the small animal industry, including the species, breeds, animal health, reproduction, genetics, facilities, equipment, and marketing of common domesticated pets and exotic animals. Live animals may be used in this class for skill development.

Equine Science ^**Grade: 10-12****ID #13000500****Credit: 0.5**

Recommended Prerequisite: Principles of Agriculture, Food & Natural Resources

Equine Science is a semester course designed for students to learn knowledge and skills pertaining to the selection, nutrition, reproduction, health, and management of horses, donkeys, and mules. Live animals may be used in this class for skill development.

Livestock Production ^**Grade: 10-12****ID #13000300****Credit: 1**

Recommended Prerequisite: Principles of Agriculture, Food & Natural Resources

Livestock Production is designed for students to learn knowledge and skills pertaining to the selection, nutrition, reproduction, health, and management of livestock animals. Live animals may be used in this class for skill development.

Veterinary Medical Applications ^**Grade: 11-12****ID #13000600****Credit: 1**

Prerequisite: Livestock Production, Small Animal Management, or Equine Science

Veterinary Medical Applications is designed to introduce students to the basic concepts and skills related to the veterinary science industry, such as safety and sanitation, terminology, hospital management, and proper handling and restraining techniques. Live animals will be used in this class for skill development.

Advanced Animal Science**Grade: 11-12****ID #13000700****Credit: 1**

Prerequisite: Biology and Chemistry or IPC; Algebra I and Geometry; and either Small Animal Management, Equine Science, or Livestock Production

Recommended Prerequisite: Veterinary Medical Applications

Advanced Animal Science is a course in which students will acquire knowledge and skills related to animal systems. Topics will include animal reproduction, selection and grading, anatomy and physiology, growth and development, and animal industry standards. Instruction is designed to allow for the application of scientific and technological aspects of animal science through hands-on field and laboratory experiences.

Note: This course can substitute for a science graduation requirement.

Practicum in Agriculture, Food, and Natural Resources: Veterinary Medical Applications ^**Grade: 11-12****ID #13002500****Credit: 2**

Prerequisite: Veterinary Medical Applications

Practicum in Veterinary Medical Applications is designed to facilitate the skills and internship hours that are required to obtain a Certified Veterinary Assistant (CVA) Level One. Students are required to complete 300 hours and state-required skills under the supervision of a veterinarian or Licensed Veterinary Technician, in addition to the 200 hours under the supervision of the classroom instructor. Practicum students will be responsible for seeking an internship location with guidance from the instructor for their CVA hours and skills application. Students should also be able to provide their own transportation to and from internship locations. All final internship placements must be approved by the classroom instructor. There may be costs associated with taking this course. Students that have the necessary hours and skills will be eligible to take the exam for Certified Veterinary Assistant (CVA) Level One.

Industry-Based Certification available.

Applied Agricultural Engineering (Welding)

Agriculture Mechanics & Metal Technologies ^

Grade: 10-12

ID #13002200

Credit: 1

Recommended Prerequisite: Principles of Agriculture, Food, and Natural Resources

Agricultural Mechanics & Metal Technology is designed to introduce career opportunities in the agricultural power, structural and technical systems. Skills to be developed include an understanding of agricultural mechanics as it relates to safety and skills in tool operation, and metalworking techniques. This course will include skills in oxy-fuel processes as well as welding. Plumbing, electrical wiring, and concrete skills will be touched on as well. The OSHA 10-hour general industry certification will be completed. There may be costs associated with taking this course.

Safety certification available

Agricultural Equipment Design & Fabrication ^

Grade: 11-12

ID #13002350

Credit: 1

Recommended Prerequisite: Agricultural Mechanics and Metal Technologies

Agricultural Structures Design & Fabrication is a second-year agricultural mechanics class that immerses the student in the welding industry. This double-blocked class will allow students to plan, budget, acquire materials and build metal projects. Students will start the industry certification process with the American Welding Society. There may be costs associated with taking this course.

Industry-Based Certification available

Practicum in Agriculture, Food, and Natural Resources: Applied Agricultural Engineering ^

Grade: 11-12

ID #13002500

Credit: 2

Prerequisite: Agricultural Equipment Design and Fabrication

Practicum provides a unique experience that allows students the opportunity to participate in a learning environment that combines classroom instruction with real business and/or industry career experiences. Larger, more complex metal fabrication projects may be constructed. Students will gain academic and career preparation to pursue high-demand and high-skill careers. Students will continue the industry certification process with the American Welding Society. There may be costs associated with taking this course.

Industry-Based Certification available

Architecture and Construction

Construction

Principles of Construction

Grade: 9-12

ID #13004220

Credit: 1

Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. The curriculum is a modular, competency-based program that enables students to earn an industry-recognized certification. There may be costs associated with taking this course.

Safety Certification available

Construction Management I ^

Grade: 10-12

ID #13004900

Credit: 2

Recommended Prerequisites: Algebra I, Geometry, and Principles of Construction

In Construction Management I, students will gain knowledge and skills needed to enter the workforce as apprentice carpenters or building maintenance supervisors' assistants or to build a foundation toward a postsecondary degree in architecture, construction science, drafting, or engineering. Construction Management I includes the knowledge of design techniques and tools related to the management of architectural and engineering projects.

Industry-Based Certification available

Construction Management II ^

Grade: 11-12

ID #13005000

Credit: 2

Prerequisite: Construction Management I

In Construction Management II, students will gain knowledge and skills needed to enter the workforce as apprentice carpenters or building maintenance supervisors' assistants or to build a foundation toward a postsecondary degree in architecture, construction science, drafting, or engineering. Construction Management II includes the knowledge of design techniques and tools related to the management of architectural and engineering projects.

Industry-Based Certification available

Practicum in Construction Management ^
ID #13006200

Grade: 11-12
Credit: 2

Prerequisite: Construction Management II

Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom.

Arts, A/V Technology and Communications

Principles of Arts, A/V, and Communications
ID #13008200

Grade: 9
Credit: 1

Principles of Arts, Audio/Video Technology, and Communications allows students to explore and understand the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities. Students will be introduced to topics such as audio/video production, graphic design and illustration, and animation.

Professional Communications
ID #13009900

Grade: 9-12
Credit: 0.5

Professional Communications is designed to develop effective communication for careers in leadership development systems. Students will develop creative methods to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research in a professional manner. Various processes such as verbal and nonverbal communication will be demonstrated. Students will also learn effective communication strategies through leadership roles. *Note: Meets speech requirement for graduation.*

Design and Multimedia Arts: Animation

Animation I ^
ID #13008300

Grade: 10-12
Credit: 1

Recommended Prerequisites: Principles of Arts, A/V, and Communications

Animation will allow students to demonstrate creative thinking and develop innovative projects 2D and 3D animation, incorporating design principles and image editing. Students will work independently as well as collaboratively to produce communications projects. Students will develop an electronic portfolio to document their skills.

Industry-Based Certification available

Animation II and Lab ^
ID #13008410

Grade: 11-12
Credit: 2

Prerequisites: Animation I

Animation II will allow students to develop advanced knowledge and skills that build on what was learned in Animation 1. Students will demonstrate creative thinking and develop innovative projects using 2D and 3D animation. Students will develop an electronic portfolio to document mastery of skills.

Industry-Based Certification available

3D Modeling and Animation ^
ID #03580510

Grade: 11-12
Credit: 1

Recommended Prerequisite: Animation II

In 3D Modeling and Animation, students will explore the basic principles, concepts, and methodologies of 3D animation. Students will learn the basics of 3D Modeling, 3D Animation, how to create and apply textures, lighting principles and techniques, camera types and their appropriate usage, and fundamental keyframing procedures. Other topics covered include storyboards, the traditional principles of animation, current industry trends, and issues pertaining to rendering output for different mediums (film, video, Internet, etc). *Note: This course may qualify as fine arts.*

Digital Communications

Audio/Video Production I
ID #13008500

Grade: 10-12
Credit: 1

Recommended Prerequisites: Principles of Arts, A/V, and Communications and Professional Communications

Audio/Video Production I contains two focuses; Film Production and Broadcasting. Major duties for broadcast include anchor work for regular weekly broadcasts, in-depth research for news features, conducting interviews, news writing, as well as capturing and editing video and audio footage. Objectives include management and production of the broadcast using editorial judgment and journalistic integrity, as

well as working within the time constraints and meeting consistent deadlines. The film focus is geared towards producing narrative or theme-based video projects that contain increasing levels of quality and complexity, as new skills and concepts are introduced. Students in both areas will become proficient in the hardware and software used throughout the production process including digital recording devices like HD cameras, microphones, A/V mixing boards as well as professional level Adobe editing software. Concepts in use across the industry such as Studio & Set lighting, camera functions, Elements of Art and Design, shot composition, basic scripting and green screen techniques are introduced and utilized.

Audio/Video Production I with Lab

Grade: 10-12

ID #13008510

Credit: 2.0

Recommended Prerequisites: Principles of Arts, A/V, and Communications and Professional Communications

Audio/Video Production I contains two focuses; Film Production and Broadcasting. Major duties for broadcast include anchor work for regular weekly broadcasts, in-depth research for news features, conducting interviews, news writing, as well as capturing and editing video and audio footage. Objectives include management and production of the broadcast using editorial judgment and journalistic integrity, as well as working within the time constraints and meeting consistent deadlines. The film focus is geared towards producing narrative or theme-based video projects that contain increasing levels of quality and complexity, as new skills and concepts are introduced. Students in both areas will become proficient in the hardware and software used throughout the production process including digital recording devices like HD cameras, microphones, A/V mixing boards as well as professional level Adobe editing software. Concepts in use across the industry such as Studio & Set lighting, camera functions, Elements of Art and Design, shot composition, basic scripting and green screen techniques are introduced and utilized. Lab credit is given to students who participate in after-school activities and productions, i.e. Panther Production Team. Course Note: course receives 2.0 credit but only 1.0 GPA points

Business, Marketing, and Finance

Principles of Business, Marketing, and Finance

Grade: 9-11

ID #13011200

Credit: 1

Principles of Business, Marketing, and Finance will provide students with an introductory level of knowledge and skills within the following areas: domestic and global business, forms of business ownership, marketing of goods and services, the marketing mix and sales process, and personal financial management. Within each content area, students will be given the opportunity to learn, apply and transfer their academic knowledge and skills while participating in interesting and relevant activities within business, marketing, and financial settings.

Business Information Management I (BIM I)

Grade: 9-12

ID #13011400

Credit: 1

BIM I prepares students with advanced technology skills required in today's business environment. Students will use the Microsoft Office suite of programs (Word, Excel, Access and PowerPoint) in their core business applications. Students will also be introduced to various applications that are utilized frequently within industry. Students will end the year building skills that allow them to effectively evaluate emerging technologies and their relevance to the business world.

Industry-Based Certification available

Business Management

Global Business ^

Grade: 10-12

ID #13011800

Credit: 0.5

Recommended Prerequisites: BIM I

Global Business is a semester course that introduces concepts of the global market and economy and international trade; examines operations in a global market; provides an opportunity to study cultural differences and effects of differences on managerial processes and international law; the impact of international trade on the domestic and global economy; and examines planning, organizational structure, finance, marketing, and foreign governmental practices.

Virtual Business ^

Grade: 10-12

ID #13012000

Credit: 0.5

Recommended Prerequisites: BIM I

Virtual Business is a semester course designed for students to simulate starting a virtual business by creating a web presence, conducting online and offline marketing, examining contracts appropriate for an online business, and demonstrating project-management skills. Students will also demonstrate book-keeping skills for a virtual business, maintain business records, and understand the legal issues associated with a virtual business.

Business Law ^**ID #13011700****Grade: 11-12****Credit: 1***Recommended Prerequisites: BIM I*

Business Law is designed for students to analyze the social responsibilities of business and industry covering various aspects of the legal environment, including ethics, the judicial system, contracts, personal property, sales, negotiable instruments, agency and employment, business organization, risk management, and real property. Students will apply their knowledge and skills learned in this course to a mock trial where they will see the legal process from beginning to end.

Statistics and Business Decision Making ^**ID #13016900****Grade: 11-12****Credit: 1***Prerequisite: Algebra II*

Statistics and Business Decision Making is an introduction to statistics and the application of statistics to business decision-making. Students will use statistics to make business decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid. *Note: This course satisfies a math credit requirement for students on the Foundation High School Program.*

*Entrepreneurship***Business INCubator ^****ID #13034400****Grade: 11-12****Credit: 1***Recommended Prerequisite: Principles of Business, Marketing, and Finance*

This course is designed to get students excited about becoming true entrepreneurs by giving them the opportunity to create and fully develop their own product or service. Real-world entrepreneurs and business experts will serve as coaches and mentors, guiding student teams through the process of ideation, market research, and business plan development. Over the course of the year, student teams will learn about marketing, accounting, human resources, and the legal aspects of starting a business. They will have access to a network of professionals to further develop their skills—teamwork, problem-solving, presentation, and communication—for college and career readiness. Students will also have the opportunity to participate in Pitch Week, which will further fire the entrepreneurial spirit by putting student teams in front of actual investors so they can pitch their innovative ideas to win funding and turn their ideas into reality. Due to the collaborative nature of this course, students are expected to remain in the course for the full year and will not be allowed to switch class periods.

*Industry-Based Certification available***Business ACCErator ^****ID #12701500****Grade: 12****Credit: 1***Prerequisite: Completion of Business Incubator and Instructor Approval*

This full-year course is designed as a second-year program for teams that have completed Business Incubator, have received funding, and are ready to launch a business. The goal is to guide students to a successful launch of their company and gain traction in the marketplace. The content is built from real life entrepreneurial practices, and real world business accelerator practices. Teams will continue to be supported by mentors and guided by coaches from the business world. *Note: Uncharted Learning ACCErator Curriculum is used at LHHS.*

*Marketing and Sales***Marketing ^****ID #N1303424****Grade: 10-12****Credit: 1***Recommended Prerequisite: Principles of Business, Marketing, and Finance*

Marketing explores the seven-core functions of marketing which include: planning; information management; pricing; product/service management; promotion; channel management; and selling. Students will demonstrate knowledge in hands-on projects which may include conducting research, creating a promotional plan, pitching a sales presentation, and introducing an idea for a new product/service.

Advertising ^**ID #13034200****Grade: 10-12****Credit: 0.5***Recommended Prerequisite: Principles of Business, Marketing, and Finance*

Advertising is a semester course 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, cultural, ethical, and legal issues of advertising, historical influences, strategies, media decision processes as well as integrated brand promotions, and careers in advertising and sales promotion. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.

Social Media Marketing ^
ID #13034650

Grade: 10-12
Credit: 0.5

Recommended Prerequisite: Principles of Business, Marketing, and Finance or Marketing

Social Media Marketing is a semester course designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. Through a simulation, students will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts.

Sports and Entertainment Marketing I ^
ID #13034600

Grade: 10-12
Credit: 0.5

Recommended Prerequisite: Principles of Business, Marketing, and Finance

Sports and Entertainment Marketing I will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and entertainment. The areas this course will cover include basic marketing concepts, publicity, and sports and entertainment marketing strategies.

Sports and Entertainment Marketing II ^
ID #N1303422

Grade: 10-12
Credit: 0.5

Prerequisite: Sports and Entertainment Marketing I

Recommended Prerequisite: Principles of Business, Marketing, and Finance

Sports and Entertainment Marketing II is an advanced course designed to build upon students' prior knowledge of sports and entertainment marketing. Students will develop a thorough understanding of advanced marketing concepts and theories as they relate to the sports and entertainment industries. Students will investigate components of branding, sponsorships, and endorsements, as well as promotion plans needed for sports and entertainment events. The course also supports career development skills and explores career options.

Education and Training

Teaching and Training

Principles of Education and Training
ID #13014200

Grade: 9-10
Credit: 1

Principles of Education and Training covers a variety of topics including learning processes, education theory, classroom management, child development, and lesson planning. Students will research careers and topics in education including teacher training, interview processes, and ethics in the workplace. Students will experience field-based observations during this course with a highly qualified cooperating teacher in local elementary schools. A portfolio that will serve as a resource for teaching will be completed throughout the year.

Human Development ^
ID #13014300

Grade: 10-12
Credit: 1

Human Development is an examination of human development across the lifespan focusing on common physical, cognitive, emotional, and social developmental milestones from conception through death. The course is generally taught as an introductory course in developmental psychology, human development, or education and training.

Instructional Practices (Ready, Set, Teach! I) ^
ID #13014400

Grade: 11-12
Credit: 2

Instructional Practice covers a variety of topics including learning processes, special education, classroom management, college, and career exploration, workplace ethics, and lesson planning. Students will experience an extended field-based internship during this course with a highly qualified cooperating teacher in local elementary or middle schools. A portfolio that will serve as a resource for teaching will be completed throughout the year. There may be costs associated with taking this course.

Industry-Based Certification available

Dual Credit Enrollment Practicum in Education and Training (Ready, Set, Teach! II) - (ACC EDUC 1301 & EDUC 2301)
ID #13014500

Grade: 12
Credit: 2

Prerequisites: Instructional Practice

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students will experience a field-based internship during this course with a highly-qualified cooperating teacher in local elementary or middle schools. 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. Note: Tuition and Fees are assessed for this ACC course. Fee waivers are available for students who meet eligibility requirements.

GPA WEIGHT: 10 points

Health Science

Principles of Health Science

Grade: 9-10

ID #13020200

Credit: 1

Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry. Course content includes interpersonal relationships, anatomy and physiology, ethical/legal responsibilities, health care team concept, medical terminology, basic medical emergency practices, and investigation of various health service-related careers.

Medical Terminology ^

Grade: 10-12

ID #13020300

Credit: 1

Recommended Prerequisites: Biology and IPC or concurrent enrollment in Chemistry

Medical Terminology is a course that uses the human body as a guide to familiarize students with vocabulary concerning abbreviations, symbols, medical procedures, and pathological conditions. Students will gain knowledge of medical terminology through the course of study by identifying word parts and the meanings of the word parts.

Anatomy and Physiology ^

Grade: 10-12

ID #13020600

Credit: 1

Prerequisites: Biology and a second science credit

Recommended Prerequisite: Chemistry and a course from the Health and Science career cluster

Anatomy and Physiology is designed for students interested in biological, medical, and health-oriented programs. Students will study the structures and functions of the human body. The body's systems will be investigated as to the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. The topics will be presented through the integration of biology, chemistry, and physics. In this laboratory course, the students conduct laboratory investigations, perform dissections, use scientific methods during investigations, and make informed decisions using critical thinking and problem-solving. Anatomy and Physiology will involve the in-depth study of topics, including high-level thinking skills in both laboratory exercises and assessment. The student will be expected to conduct research.

Note: This course is an approved science course and can count towards a graduation requirement.

Health Science Theory ^

Grade: 10-12

ID #13020400

Credit: 1

Prerequisites: Biology

Recommended Prerequisites: Principles of Health Science and Medical Terminology

Health Science Theory course will provide students the opportunity to develop advanced knowledge and skills related to a wide variety of health careers learned in Principles of Health Science. Students will learn through lab-based settings and hands-on experiences. Skills will include taking vital signs, infection control techniques, and demonstrating proper body mechanics. *Note: Fulfills health requirement for graduation if pursuing health science endorsement.*

Safety certification available

Practicum in Health Science: Certified Nurse Aide ^

Grade: 11-12

ID #13020500

Credit: 2

Prerequisites: Health Science Theory and Biology

Recommended Prerequisites: Medical Terminology

Practicum in Health Science is designed to facilitate the skills and internship hours that are required to obtain a Certified Nurse Aide (CNA) certification. Students are required to complete a minimum of 100 hours of training under the supervision of a Licensed Registered Nurse, including 60 hours of classroom training and 40 hours of hands-on resident care in a nursing facility. Students should be able to provide their own transportation to and from nursing facility. There may be costs associated with taking this course. Students that have the necessary hours and skills will be eligible to take the exam for Certified Nurse Aide (CNA).

Industry-Based Certification available.

Practicum in Health Science: Pharmacy Technician ^

Grade: 11-12

ID #13020500

Credit: 2

Prerequisites: Health Science Theory and Biology

Recommended Prerequisites: Medical Terminology

Practicum in Health Science is designed to facilitate the skills and internship hours that are required to obtain a Pharmacy Technician certification (CPhT). Students are required to complete the PTCB-Recognized Education Program under the supervision of the credentialed classroom teacher. Practicum students will be responsible for seeking an internship location with guidance from the instructor for skills application. Students should also be able to provide their own transportation to and from internship locations. All final internship placements must be approved by the classroom instructor. There may be costs associated with taking this course. Students that successfully complete the PTCB-Recognized Education Program will be eligible to take the exam for Pharmacy Technician (CPhT).

Industry-Based Certification available.

Hospitality and Tourism

Culinary Arts

Principles of Hospitality and Tourism

ID #13022200

Grade: 9-12

Credit: 1

Principles of Hospitality and Tourism introduces students to an industry that encompasses lodging, travel and tourism, recreation, amusements, attractions, and food/beverage operations. Students learn knowledge and skills focusing on communication, time management, and customer service that meet industry standards. Students will explore the history of the hospitality and tourism industry and examine characteristics needed for success in that industry.

Culinary Arts ^

ID #13022600

Grade: 10-12

Credit: 2

Recommended Prerequisite: Introduction to Culinary Arts

Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and also includes management and production skills and techniques. Students can pursue a national sanitation certification or other appropriate industry certifications. This course is offered as a laboratory-based course in a commercial-grade kitchen. Instruction includes operation and management of a food service establishment, marketing strategies, quality, and quantity food production, plating and food presentation, cooking methods, and technology application in the foodservice industry. Student enrollment and an interview are required for the program. There is a cost associated with taking this course.

Industry-Based Certification available

Advanced Culinary Arts ^

ID #13022650

Grade: 10-12

Credit: 2

Prerequisites: Culinary Arts

Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by in-depth instruction of industry-driven standards in order to prepare students for success in higher education, certifications, and/or immediate employment. Leadership opportunities are provided to Advanced Culinary Arts students. Student enrollment and an interview are required for the program. There is a cost associated with taking this course.

Industry-Based Certification available

Practicum in Culinary Arts ^

ID #13022700

Grade: 11-12

Credit: 2

Prerequisites: Advanced Culinary Arts

Practicum in Culinary Arts is a unique practicum that provides occupationally specific opportunities for students to participate in a learning experience that combines classroom instruction with actual business and industry career experiences. Practicum in Culinary Arts integrates academic and career and technical education; provides more interdisciplinary instruction; and supports strong partnerships among schools, businesses, and community institutions with the goal of preparing students with a variety of skills in a fast-changing workplace. Students are taught employability skills to prepare for college and career success. Students should also be able to provide their own transportation to and from internship locations. There may be a cost associated with taking this course.

Industry-Based Certification available

Food Science ^

ID #13023000

Grade: 11-12

Credit: 1

Prerequisites: 3 units of science including Chemistry and Biology

In Food Science, students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem-solving. Food science is the study of the nature of foods, the causes of the deterioration in food products, the principles underlying food processing, and the improvement of foods for the consuming public. *Note: May be utilized as a 4th science credit.*

Law and Public Service

Law Enforcement

Principles of Law, Public Safety, Corrections, and Security

ID #13029200

Grade: 9-12

Credit: 1

Principles of Law, Public Safety, Corrections, and Security introduces students to professions in law enforcement, protective services, corrections, firefighting, and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, protective services, and corrections.

Law Enforcement I ^
ID #13029300

Grade: 10-12
Credit: 1

Recommended Prerequisite: Principles of Law, Public Safety, Corrections, and Security

Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. Students will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime.

Law Enforcement II ^
ID #13029400

Grade: 10-12
Credit: 1

Recommended Prerequisite: Law Enforcement I

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. Students will understand ethical and legal responsibilities, patrol procedures, first responder roles, telecommunications, emergency equipment operations, and courtroom testimony.

Industry-Based Certification available

Forensic Psychology ^
ID #N1303012

Grade: 11-12
Credit: 1

Recommended Prerequisite: Law Enforcement II and Psychology

Forensic Psychology is found at the intersection between psychology and the criminal justice system. It involves understanding criminal law in the relevant jurisdictions in order to be able to interact within the criminal justice system. It utilizes and applies basic skills developed in psychology and criminal scenarios resulting in a structured and scientific approach to investigative analysis; thereby, enabling police and law enforcement officials to predict criminal activity via scientific analysis rather than intuition. Students will learn basic structured psychological investigative techniques in question building, interviewing, criminal behavior characteristics, truth detection methodology, research methods, statistical analysis, and probability forecasting.

Forensic Science ^
ID #13029500

Grade: 11-12
Credit: 1

Prerequisite: Biology and Chemistry

Recommended Prerequisite or Corequisite: Any Law, Public Safety, Corrections, and Security career cluster course

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science.

Note: This course can substitute for a science graduation requirement.

Science, Technology, Engineering, and Math

Engineering

Principles of Applied Engineering
ID #13036200

Grade: 9-10
Credit: 1

Principles of Applied Engineering provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, but using a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will have an understanding of the various fields of engineering and will be able to make informed career decisions. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments.

Manufacturing Engineering Technology I ^
ID #13032900

Grade: 10-12
Credit: 1

Recommended Prerequisite: Algebra I and Principles of Applied Engineering

In Manufacturing Engineering Technology I, students will gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. Students will prepare for success in the global economy. The study of manufacturing engineering will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in a manufacturing setting.

Engineering Design and Presentation I ^
ID #13036500

Grade: 10-12
Credit: 1

Prerequisite: Algebra I

Recommended Prerequisite: Principles of Applied Engineering

In Engineering Design and Presentation I, students will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through the implementation of the design process, students will transfer advanced academic skills to component designs. Students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas. *Note: Students who are invited to submit a portfolio in the spring semester may receive college credit from UT Austin through the Engineer Your World dual enrollment program. Students will receive a GPA weight of 10 points upon successful completion of Engineer Your World.*

Engineering Design and Presentation II ^
ID #13036600

Grade: 11-12
Credit: 2

Prerequisite: Algebra I and Geometry

Recommended Prerequisite: Principles of Applied Engineering

Engineering Design and Presentation II is a continuation of knowledge and skills learned in Engineering Design and Presentation I. Students enrolled in this course will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through the implementation of the design process, students will transfer advanced academic skills to component designs. Emphasis will be placed on using skills from ideation through prototyping.

Computer Science

Fundamentals of Computer Science
ID #03580140

Grade: 9-12
Credit: 1

Recommended Prerequisite: Credit for or concurrent enrollment in Algebra I

Fundamentals of Computer Science explores computing tools that are used every day. Students will foster their creativity and innovation through opportunities to design, implement, and present solutions to real-world problems. This course takes a wide lens on computer science by covering topics such as problem-solving, programming, physical computing, user-centered design, and data, while inspiring students as they build their own websites, apps, animations, games, and physical computing systems.

AP Computer Science Principles ^
ID #A3580300

Grade: 9-12
Credit: 1

Recommended Prerequisite: Algebra I

Computer Science Principles AP introduces students to the digital age. This course promotes computational thinking while exploring the global impact of the internet and technology. Topics covered include creativity, abstraction, data and information, algorithms, and programming. Students are required to submit a creative project to the college board as part of their end-of-course evaluation. This course prepares students to take the AP Exam.

GPA WEIGHT: 10 points

Computer Science I
ID #03580200

Grade: 9-12
Credit: 1

Prerequisite: Algebra I

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem-solving, and decision making; digital citizenship; and technology operations and concepts.

AP Computer Science A**Grade: 10-12****ID #A3580110 (Math) or A3580120 (LOTE) ^****Credit: 1**

Recommended Prerequisite: Computer Science I and Algebra I or a student should be comfortable with functions and the concepts found in the uses of functional notation such as $f(x) = x + 2$ and $f(x) = g(h(x))$

Computer Science A AP offers advanced programming in JAVA to prepare for the Advanced Placement Computer Science A exam.

Note: This course can substitute for a mathematics or LOTE graduation requirement. Please see your counselor for additional information concerning substitution options/requirements.

GPA WEIGHT: 10 points**Mobile Application Development ^****Grade: 9-12****ID #03580390****Credit: 1**

Prerequisite: Algebra I

Recommended Prerequisite: Computer Science Principles AP or Computer Science I

Mobile Application Development will foster students' creativity and innovation by presenting opportunities to design, implement, and deliver meaningful projects using mobile computing devices. Students will collaborate with one another, their instructor, and various electronic communities to solve problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use software development concepts to access, analyze, and evaluate information needed to program mobile devices. By using software design knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of mobile application development through the study of development platforms, programming languages, and software design standards. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem-solving, and decision making; digital citizenship; and technology operations and concepts.

Computer Maintenance (Dell Student TechCrew)**Grade: 10-12****ID #13027300****Credit: 1**

In Computer Maintenance, students will acquire knowledge of computer maintenance and create appropriate documentation. Students will analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as related to computer maintenance. Students will apply technical skills to address the IT industry and emerging technologies. Students in this course will participate in the Dell Student TechCrew, a program that promotes future career skills and learning via hands-on experiences as students help their peers and school staff members with technology issues.

Additional Career and Technical Education Offerings**Financial Mathematics ^****Grade: 10-12****ID #13018000****Credit: 1**

Prerequisites: Algebra I

Financial Mathematics is a course about personal money management. Students will apply critical thinking skills to analyze personal financial decisions based on current and projected economic factors.

Note: This course satisfies a math credit requirement for students on the Foundation High School Program.

Floral Design**Grade: 9-12****ID #13011800****Credit: 1**

Floral Design prepares students to design and arrange flowers, foliage, and related plant materials for interior locations. They will learn to handle, care for, and identify flowers and foliage plants; create contemporary and specialty floral items; develop knowledge of sound business management practices; and explore careers in the floral industry. There is a cost associated with taking this course.

Note: This course can substitute for a fine arts graduation requirement.

Industry-Based Certification available

General Employability Skills**Grade: 9-12****ID #: N1270153****Credit: 1**

This course will provide instruction in general employability skills as well as the prerequisite skills for general employability. Employability skills are the skills and attitudes that allow employees to get along with their co-workers, make important work-related decisions, and become strong members of the work team. Discovering job possibilities that link skills, abilities, interests, values, needs, and work environment preferences is an experiential learning process that takes place over time. **NOTE: COUNSELOR APPROVAL REQUIRED**

Lifetime Nutrition and Wellness**Grade: 9-12****ID #13024500****Credit: 0.5**

Lifetime Nutrition and Wellness is a semester laboratory course that allows students to use principles of nutrition to make informed decisions that promote lifelong wellness. Instruction will focus on the role that nutrients have on our body, digestion, and metabolism, understanding the importance of a balanced diet, safety and sanitation in the lab, healthy food preparation, and careers in nutrition.

Note: Meets health requirements for graduation.

Mathematical Applications in Agriculture, Food, and Natural Resources ^**Grade 10-12****ID: #13001000****Credit: 1**

Prerequisite: Algebra I

In Mathematical Applications in Agriculture, Food, and Natural Resources, students will apply knowledge and skills related to mathematics, including algebra, geometry, and data analysis in the context of agriculture, food, and natural resources. This course prepares students for careers in agriculture, food, and natural resources. Students will prepare for a career in the field of agriculture as well as reinforce, apply, and transfer their knowledge and skills related to mathematics in a variety of contexts.

Professional Communications**Grade: 9-12****ID #13009900****Credit: 0.5**

Professional Communications is designed to develop effective communication for careers in leadership development systems. Students will develop creative methods to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research in a professional manner. Various processes such as verbal and nonverbal communication will be demonstrated. Students will also learn effective communication strategies through leadership roles. *Note: Meets speech requirement for graduation.*

Additional Elective Offerings**Student Aide****Grade: 11-12****ID #85000XXX****Credit: 0**

Application Required

Students will assist the office or library staff to deliver messages, do routine filing, and perform other types of clerical duties.