

HIGH SCHOOL COURSE OFFERINGS AND GRADUATION REQUIREMENTS

2024-2025

LUBBOCK INDEPENDENT SCHOOL DISTRICT

GRADES 11 - 12

2025 & 2026 Graduating Class

NOTE: STUDENTS ENTERING THE TENTH GRADE OR HIGHER IN
2024-2025 WILL USE THIS BOOKLET

STUDENTS ENTERING THE NINTH GRADE IN 2024-2025
WILL USE AN ALTERNATE BOOKLET



**LUBBOCK INDEPENDENT SCHOOL DISTRICT
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LUBBOCK INDEPENDENT SCHOOL DISTRICT

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Use of This Bulletin

During regularly planned orientation and registration sessions, teachers, counselors, and principals will help students with course choices for the succeeding year. Students and parents should consult with school personnel regarding any questions not answered in the planned guidance sessions. Courses listed in this guide may not be offered at every campus every year, so always consult with school personnel at the campus the student attends in order to receive the most accurate information.

Lubbock ISD provides additional publications that aid students in academic/career decisions.

High School Graduation Requirements

For 2014 graduates and beyond, there are several programs under which a student may graduate, but the items below are common to any of the programs in Lubbock ISD.

- Every student and parent at the beginning of the student's seventh grade year will be notified of the essential skills and knowledge to be measured on the State of Texas Assessments of Academic Readiness (STAAR) test. Every student new to the district after the seventh grade will be notified about the testing requirements for graduation including the essential skills and knowledge to be measured.
- The State of Texas Assessments of Academic Readiness (STAAR) tests include five end-of-course (EOC) assessments. Students must meet the end-of-course testing requirements, as well as earn credits in required courses, in order to earn a diploma.
- Each student must earn the necessary number of credits as defined by the selected program.
- Transcripts will be marked with seals indicating the graduation program for each student. A student's endorsement and performance acknowledgments will be placed on the transcript. All units for graduation shall be earned in grades 9-12, with the exception of Algebra I taken in grade eight, and World Languages, which may be taken in grades seven and eight.
- Each student must complete and submit a free application for federal student aid (FAFSA) or a Texas application for state financial aid (TASFA).
- Grade point average will be calculated as described in the district's policy {EIC (LOCAL)}

Graduation Programs

Students may graduate under these plans:

- Foundation Program 22 credits
- Foundation Program plus Endorsement 26 credits

A student desiring to earn a distinguished level of achievement under the current graduation program must complete the Foundation Program plus Endorsement, with Algebra II counting as one of the required mathematics courses.

Lubbock ISD allows any student to graduate under the requirements listed in the course offerings bulletin that was available to that student for his/her ninth-grade year, or under any new graduation programs approved for the specific graduating class by the State Board of Education; subject to local district decisions requiring students to complete certain additional graduation requirements.

HIGH SCHOOL GRADUATION PROGRAMS

Foundation Program	Foundation Plus Endorsement Program (Distinguished Level Recognition: Endorsement and Algebra II must be completed)
4 English credits	4 English credits
3 Math credits	4 Math credits
3 Science credits	4 Science credits
3 Social Studies credits	3 Social Studies credits
1 Fine Arts credit	1 Fine Arts credit
1 PE credit	1 PE credit
2 World Language credits	2 World Language credits
	Completion of at least 1 career cluster pathway in an endorsement area: STEM (Science, Technology, Engineering and Math), Business & Industry, Public Service, Arts & Humanities, or Multidisciplinary Studies
5.0 electives	7.0 electives
22 credits	26 credits
Student is eligible to apply directly to a four- year university or college (must meet college admissions score on ACT or SAT to be considered for admission)	Distinguished level required for Top 10% automatic admission in Texas (unless exempt because of high ACT/SAT score) May receive performance acknowledgments for dual credit, bilingualism/bi-literacy, PSAT, AP, IB, ACT/SAT, & recognized certifications/licenses

FOUNDATION PROGRAM

22 CREDITS TOTAL

MATHEMATICS

3 credits - Algebra 1, Geometry, and 1 additional math credit

The additional math credit may be selected from one full credit or a combination of two half credits, from (A) Math Models with Applications, Financial Mathematics, Accounting II, or Robotics II or from (B) Algebra II, Precalculus, Independent Study in Mathematics, Statistics, AP Computer Science A, IB Computer Science HL, a comparable Advanced Placement (AP) mathematics course that does not count toward another required credit, or an International Baccalaureate (IB) mathematics course

READING LANGUAGE ARTS

4 credits - English I, II, III, and 1 additional English credit (ESOL may substitute for English I and II only)

The fourth English credit may be selected from one full credit or a combination of two half credits from: English IV, Independent Study in English, Creative Writing, Research and Technical Writing, Humanities, Public Speaking III, Oral Interpretation III, Debate III, Adv. Journalism: Newspaper III, Adv. Journalism: Yearbook III, a comparable Advanced Placement (AP) English language arts course that does not count toward another required credit, an International Baccalaureate (IB) English language arts course, a college preparatory English language arts course, or Communications Applications (must be combined with another half credit from the list above).

SCIENCE

3 credits - Biology, 1 lab-based science (IPC, Chemistry, or Physics), plus 1 additional science

The additional science credit may be selected from one full credit, or a combination of two half credits, from: Chemistry, Physics, Aquatic Science, Astronomy, Earth and Space Science, Environmental Systems, a comparable Advanced Placement (AP) science course that does not count toward another required credit, Anatomy and Physiology, Pathophysiology, Forensic Science, Engineering Design and Problem Solving, Engineering Science, an International Baccalaureate (IB) science course, or after successful completion of Physics, a science course endorsed by an institution of higher education as a course for which the institution would award credit.

SOCIAL STUDIES

3 credits - Must complete United States History since Reconstruction, United States Government (one-half credit), and Personal Financial Literacy and Economics (one-half credit)

Additional credit may be selected from World Geography or World History, or a comparable Advanced Placement (AP) or International Baccalaureate (IB) world geography or world history course.

FINE ARTS

1 credit - May be selected from Art I-IV, Dance I-IV, Music I-IV, Theatre I-IV, Technical Theatre I-IV, Floral Design, or 3D Modeling & Animation.

PHYSICAL EDUCATION

1 credit - May be selected from any combination of the following one-half to one credit courses: Foundations of Personal Fitness, Adventure/Outdoor Education, Aerobic Activities, Team or Individual Sports, Competitive Athletics, Junior Reserve Officer Training Corps (JROTC), Marching Band, Cheerleading, Pep Squad/Pom, Dance, Folklorico, or Gymnastics. May also include private or commercially sponsored physical activity programs conducted off campus.

WORLD LANGUAGES

2 credits - The credits must consist of any two levels of the same language or two credits in computer programming languages (computer science).

ELECTIVES

5 credits in state approved elective courses

FOUNDATION PLUS ENDORSEMENT PROGRAM

26 CREDITS TOTAL

Distinguished Level: Must complete Algebra II as one of the required math courses

MATHEMATICS

4 credits - Algebra 1, Geometry, and 2 additional math credits

The third math credit may be selected from one full credit or a combination of two half credits, from (A) Math Models with Applications, Financial Mathematics, Accounting II, or Robotics II or from (B) Algebra II, Precalculus, Independent Study in Mathematics, Statistics, AP Computer Science A, IB Computer Science HL, a comparable Advanced Placement (AP) mathematics course that does not count toward another required credit, or an International Baccalaureate (IB) mathematics course

The fourth math credit may be selected from one full credit or a combination of two half credits from: Algebra II, Precalculus, Independent Study in Mathematics, Statistics, AP Computer Science A, IB Computer Science HL, a comparable Advanced Placement (AP) mathematics course that does not count toward another required credit, an International Baccalaureate (IB) mathematics course, or after successfully completing Algebra II, a mathematics course endorsed by an institution of higher education as a course for which the institution would award credit, or a college preparatory mathematics course.

READING LANGUAGE ARTS

4 credits - English I, II, III, and 1 additional English credit (ESOL may substitute for English I and II only)

After successful completion of English I, II, and III, the fourth English credit may be selected from one full credit or a combination of two half credits from: English IV, Independent Study in English, Creative Writing, Research and Technical Writing, Humanities, Public Speaking III, Oral Interpretation III, Debate III, Adv. Journalism: Newspaper III, Adv. Journalism: Yearbook III, a comparable Advanced Placement (AP) English language arts course that does not count toward another required credit, an International Baccalaureate (IB) English language arts course, a college preparatory English language arts course, or Communications Applications (must be combined with another half credit from the list above).

SCIENCE

4 credits – Biology, 1 lab-based science (IPC, Chemistry, or Physics), plus 2 additional

The 3rd and 4th science credit may be selected from one full credit, or a combination of two half credits, from: Chemistry, Physics, Aquatic Science, Astronomy, Earth and Space Science, Environmental Systems, a comparable Advanced Placement (AP) science course that does not count toward another required credit, Anatomy and Physiology, Medical Microbiology, Pathophysiology, Forensic Science, Engineering Design and Problem Solving, Engineering Science, an International Baccalaureate (IB) science course, an apprenticeship or training hours needed to obtain an industry-recognized credential or certificate, or after successful completion of Physics, a science course endorsed by an institution of higher education as a course for which the institution would award credit.

A student pursuing an arts and humanities endorsement who has written permission of the student's parent or a person standing in parental relation to the student may substitute a course that is not being used to satisfy another specific graduation requirement selected from Reading Language Arts, Social Studies, World Languages, or Fine Arts. A student who pursues this option will NOT graduate on the distinguished level.

SOCIAL STUDIES
3 credits - Must complete United States History since Reconstruction, United States Government (one-half credit), and Personal Financial Literacy and Economics (one-half credit) Additional credit may be selected from World Geography or World History, or a comparable Advanced Placement (AP) or International Baccalaureate (IB) world geography or world history course
FINE ARTS
1 credit - May be selected from Art I-IV, Dance I-IV, Music I-IV, Theatre I-IV, Floral Design, or 3D Modeling & Animation
PHYSICAL EDUCATION
1 credit - May be selected from any combination of the following one-half to one credit courses: Foundations of Personal Fitness, Adventure/Outdoor Education, Aerobic Activities, Team or Individual Sports, Competitive Athletics, Junior Reserve Officer Training Corps (JROTC), Marching Band, Cheerleading, Pep Squad/Pom, Dance, Folklorico, or Gymnastics. May also include private or commercially sponsored physical activity programs conducted off campus.
WORLD LANGUAGES
2 credits - The credits must consist of any two levels of the same language or two credits in computer programming languages
ELECTIVES
7 credits in state approved elective courses
ENDORSEMENT AREA
Must select one endorsement area (STEM – Science, Technology Math and Science, Business and Industry, Public Services, Arts and Humanities, or Multidisciplinary Studies) and one pathway within the endorsement area. Refer to the Endorsement Areas chart on the next page for endorsement options and courses required within each endorsement.

ENDORSEMENT AREAS

MUST SELECT ONE ENDORSEMENT AREA AND ONE PATHWAY WITHIN THE ENDORSEMENT AREA

STEM Science, Technology, Engineering, & Mathematics	Business and Industry	Public Services	Arts and Humanities	Multidisciplinary
<p>A STUDENT PURSUING A STEM ENDORSEMENT MUST COMPLETE ALGEBRA II, CHEMISTRY, AND PHYSIC or PRINCIPLES OF TECHNOLOGY, AND CHOOSE ONE OF THE OPTIONS LISTED BELOW</p> <p>A. 4 or more credits in a coherent sequence in career and technical education (CTE) that consists of at least 2 courses in the same career cluster, including at least one advanced CTE course, which includes any course that is the third or higher course in a sequence. The course may be selected from courses in all CTE career clusters. The final course in the sequence must be selected from one of the following CTE career clusters:</p> <ul style="list-style-type: none"> • Agriculture, Food, and Natural Resources • Architecture and Construction • Arts, Audio/Video Technology and Communications • Business Management and Administration • Finance • Hospitality and Tourism • Information Technology • Manufacturing • Marketing • Transportation, Distribution, and Logistics, Energy, or <p>B. Course required to complete a TEA-designed program of study related to STEM, or</p> <p>C. 5 credits in mathematics by successfully completing Algebra I, Geometry, Algebra II, and 2 additional mathematics courses for which Algebra II is a prerequisite, or</p> <p>D. 5 credits in science by successfully completing Biology, Chemistry and Physics, and 2 additional science courses, or</p> <p>E. In addition to Algebra II, Chemistry and Physics, a coherent sequence of 3 additional credits from no more than 2 of the categories listed above</p>	<p>A. 4 or more credits in a coherent sequence in career and technical education (CTE) that consists of at least 2 courses in the same career cluster, including at least 1 advanced CTE course, which includes any course that is the third or higher course in a sequence. The final course in the sequence must be selected from one of the following CTE career clusters:</p> <ul style="list-style-type: none"> • Education and Training • Government and Public Administration • Health Science • Human Services • Law, Public Safety, Corrections, and Security, or <p>B. Course required to complete a TEA-designed program of study related to public services, or</p> <p>C. C4 courses in Junior Reserve Officer Training Corps (JROTC)</p>	<p>A. 5 social studies credits, or</p> <p>B. 4 levels of the same language in Languages other than English, or</p> <p>C. 2 levels of the same language in Languages other than English and 2 levels of a different language in Languages other than English, or</p> <p>D. 4 levels in American Sign Language</p> <p>E. 4 credits in a coherent sequence by selecting courses in 1 or 2 categories or disciplines in fine arts from art, dance, music, or theatre, or</p> <p>F. English elective that are not part of the Business and Industry (4 credits from courses specified by TEA)</p> <p>**A & H students may opt to substitute the 4th science credit however, to be DISTINGUISHED, a student must have 4 science credits.</p>	<p>A. 4 advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence, or</p> <p>B. 4 credits in each of the 4 foundation subject areas to include English IV or comparable Advanced Placement (AP) or International Baccalaureate (IB) English course and chemistry and/or physics, or</p> <p>C. 4 credits in AP, IB, or dual credit selected from English, mathematics, science, social studies, economics, languages other than English, or fine arts</p>	

Lubbock ISD STEM Endorsement

STEM Endorsement	Courses		CTE Level
	Science, Technology, Engineering and Mathematics Career Cluster	Engineering Design and Presentation I	
Engineering Design and Presentation II			4
Robotics I			2
Robotics II			3
Introduction to Engineering Design			1
Engineering Science			3
Digital Electronics			3
Engineering Design and Development			3
Engineering Design and Problem Solving (Phase out 2023)			4
Principles of Biomedical Science			1
Human Body Systems			2
Medical Interventions			3
Biomedical Innovation			4
Aerospace Engineering			3
Practicum and Extended Practicum in STEM			4
Project-Based Research in STEM		4	
Computer Science	Computer Programming I		
	Computer Programming II		
	Computer Programming III		
	IB Computer Science II SL, IB Computer Science III HL		
	Practicum and Extended Practicum in Programming		
Mathematics	Algebra II		
	Precalculus		
	College Algebra - Independent Study Mathematics		
	Statistics		
	OnRamps College Algebra		
	AP Calculus AB, AP Calculus BC		
	IB Mathematics Analysis and Approaches I, II		
	IB Mathematics Applications and Interpretation		
Science	Chemistry		
	Physics		
	Aquatic Science		
	Astronomy		
	Earth and Space Science		
	Environmental Systems		
	Anatomy and Physiology		
	Pathophysiology		
	Forensic Science		
	Engineering Design and Problem Solving		
	Engineering Science		

Lubbock ISD Business and Industry Endorsement

		Courses	CTE Level
Business and Industry Endorsement	Agriculture, Food and Natural Resources Career Cluster	Principles of Agriculture, Food and Natural Resources	1
		Practicum and Extended Practicum in Agriculture, Food and Natural Resources	4
		Small Animal Management	2
		Equine Science	2
		Livestock Production	3
		Veterinary Medical Applications and Lab	4
		Floral Design and Lab	3
		Advanced Floral Design	4
		Project-Based Research in Agriculture, Food and Natural Resources	4
		Greenhouse Operation and Production and Ag Lab (coming fall 2025)	2
		Horticulture Science and Ag Lab (coming fall 2025)	3
		Wildlife, Fisheries and Ecology Management and Lab	2
		Leadership Ag Research & Communications	3
		Energy and Natural Resources Technology and Lab	3
		Food Technology and Safety and Ag Lab	2
Food Processing and Ag Lab	3		
Architecture and Construction Career Cluster	Principles of Trades and Industry	1	
	Architectural Design I	2	
	Architectural Design II	3	
	Practicum and Extended Practicum Architectural Design	4	
	Construction Technology I	2	
	Construction Technology II	3	
	Practicum and Extended Practicum in Construction Technology	4	
	Electrical Technology I	2	
	Occupational Safety and Environmental Technology I	2	
	Electrical Technology II	3	
	Practicum and Extended Practicum in Electrical Technology	4	
	Plumbing Technology I	2	
	Pipefitting Technology I	2	
	Plumbing Technology II	3	
	Practicum and Extended Practicum in Plumbing Technology	4	
Heating, Ventilation Air Conditioning (HVAC) and Refrigeration Technology I	2		
Heating, Ventilation Air Conditioning (HVAC) and Refrigeration Technology II	2		
Practicum of Heating, Ventilation Air Conditioning (HVAC) V	4		
Sheet Metal Technology	3		
Arts, Audio/Video Technology and Communications Career Cluster	Digital Media	1	
	Digital Audio I	1	
	Digital Audio II	2	
	Fashion Design I	2	
	Fashion Design II	3	
	Practicum and Extended Practicum in Fashion Design	4	
	Animation I and Lab	2	
	Animation II and Lab	3	
	Practicum and Extended Practicum in Animation	4	
	Graphic Design and Illustration I and Lab	2	
	Graphic Design and Illustration II and Lab	3	
	Practicum and Extended Practicum in Graphic Design and Illustration	4	
	Commercial Photography I	2	
	3-D Modeling and Animation	3	
	Advanced 3-D Modeling and Animation	4	
	Practicum in 3-D Modeling and Animation	4	
	Audio/Video Production I and Lab	2	
	Audio/Video Production II and Lab	3	
Practicum and Extended Practicum in Audio/Video Production	4		
Video Game Design I	1		
Video Game Design II	2		
Video Game Design III	3		

Lubbock ISD Business and Industry Endorsement

Business and Industry Endorsement (continued)

	Courses	CTE Level
Business, Marketing and Finance Career Cluster	Principles of Business, Marketing, and Finance	1
	Social Media Marketing	3
	Sports and Entertainment Marketing	2
	Marketing	2
	Accounting I	2
	Accounting II	3
	Financial Mathematics	2
	Business Management	2
	Business Information Management I	1
	Business Information Management II	2
	Practicum and Extended Practicum in Entrepreneurship	4
	Career Preparation I	4
	Hospitality and Tourism Career Cluster	Introduction to Culinary Arts
Culinary Arts		2
Advanced Culinary Arts		3
Practicum and Extended Practicum in Culinary Arts		4
Career Preparation I		4
Information Technology Career Cluster	Computer Maintenance	2
	Networking	3
	Computer Technician Practicum I	3
	Computer Technician Practicum II	4
Manufacturing	Welding I	2
	Welding II	3
	Practicum and Extended Practicum in Manufacturing	4
	Robotics I	2
	Robotics II	3
Transportation, Distribution and Logistics Career Cluster	Principles of Trades and Industrial Technology	1
	Collision Repair	2
	Paint and Refinishing	3
	Practicum and Extended Practicum in Collision Repair	4
	Automotive Technology I: Maintenance and Light Repair	3
	Automotive Technology II: Automotive Service	4
	Practicum and Extended Practicum in Automotive Technology	4
English Electives	Debate I, II, III (complete all 3 and 1 additional English elective course)	
	Newspaper I, II, III (complete all 3 and 1 additional English elective course)	
	Public Speaking I, II, III (complete all 3 and 1 additional English elective course)	
	Yearbook I, II, III (complete all 3 and 1 additional English elective course)	

Lubbock ISD Public Service Endorsement			
Public Service Endorsement	Courses		CTE Level
	Education and Training Career Cluster	Education, Coaching, and Counseling	1
		Child Development	2
		Instructional Practices in Education and Training	3
		Practicum in Education and Training	4
	Health Science Career Cluster	Medical Terminology	2
		Health Science Theory and Clinical	3
		Anatomy and Physiology	3/4
		Leadership and Employability Skills	2
		Pharmacology	4
		Pathophysiology	4
		Practicum in Nursing: Certified Nurse Assistant	4
		Practicum in Health Science: Certified Patient Care Technician	4
		Practicum in Health Science: Pharmacy Technician	4
	Human Services Career Cluster	Principles of Human Services	1
		Interpersonal Studies	1
		Lifetime Nutrition and Wellness	2
		Child Development	2
		Counseling and Mental Health	3
		Practicum and Extended Practicum in Human Services	4
Career Preparation I		4	
Career Preparation I/Extended Career Preparation		4	
Career Preparation II		4	
Career Preparation II/Extended Career Preparation		4	
Cosmetology I and Cosmetology I Lab		3	
Cosmetology II and Cosmetology II Lab		4	
Law and Public Service	Law Enforcement I	2	
	Law Enforcement II	3	
	Court Systems and Practices	2	
	Legal Research and Writing	3	
	Advanced Legal Research & Writing		
	Forensic Science	4	
	Counseling and Mental Health		
	Practicum and Extended Practicum in Law and Public Service	4	
	Disaster Response	2	
	Anatomy and Physiology	3/4	
	Firefighter I	3	
	Firefighter II	4	
	Emergency Medical Technician Basic	3	
JROTC	Junior Reserve Officer Training Corps (JROTC) I, II, III, IV		

Lubbock ISD Arts and Humanities Endorsement			
Arts and Humanities Endorsement	Social Studies	Economics with Emphasis on the Free Enterprise System and Its Benefits (1/2 credit)	
		United States History Studies Since Reconstruction	
		World History Studies	
		World Geography Studies	
		United States Government (1/2 credit)	
		Psychology (1/2 credit)	
		Sociology (1/2 credit)	
		Special Topics in Social Studies (1/2 credit)	
		Personal Financial Literacy (1/2 credit)	
		Ethnic Studies	
		AP European History	
		AP Human Geography	
		AP Comparative Government (1/2 credit)	
	World Languages	American Sign Language I-II	
		French I-IV	
		German I-V	
		Mandarin I-II	
		Spanish I-VI	
	Fine Arts	Art I-IV	
		Dance I-IV	
		Music I-IV	
		Theatre I-IV, Technical Theatre I-IV	
	English	English IV	
		Independent Study in English — Academic Decathlon	
		Literacy Genres	
		Creative Writing	
		Research and Technical Writing	
		Humanities	
		Communication Applications	
		AP English Language & Composition	
		IB Language Studies A1 Higher Level	
	Lubbock ISD Multidisciplinary Studies Endorsement		
	Multidisciplinary Studies Endorsement	Complete one option	(A) Four advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within one endorsement area or among endorsement areas that are not in a coherent sequence; or
(B) Four credits in each of the four foundation subject areas to include English IV or a comparable Advanced Placement (AP) or International Baccalaureate (IB) English course and chemistry and/or physics, or			
(C) Four credits in Advanced Placement, International Baccalaureate, or dual credit selected from English, mathematics, science, social studies, economics, languages other than English, or fine arts			

GENERAL INFORMATION

Performance Acknowledgments for Students on the Foundation Graduation Programs

Students graduating under the Foundation Program or Foundation Program plus Endorsement will receive recognition on their transcript for accomplishing any of the following performance measures:

1. Dual credit and CTE college credit courses – a minimum of 12 hours of college academic courses with a grade of 3.0 or higher
2. Bilingualism and bi-literacy – demonstration of outstanding performance in bilingualism and biliteracy as follows:
 - A. Demonstrates proficiency in two or more languages by completing all English language arts requirements and maintaining a minimum grade point average (GPA) of 80, and satisfying one of the following:
 - Completion of a minimum of 3 credits in the same language in a language other than English with a minimum GPA of 80, or
 - Demonstrates proficiency in the TEKS for level IV or higher in a language other than English with the minimum GPA of 80, or
 - Completion of at least 3 credits in foundation subject area courses in a language other than English with a minimum GPA of 80, or
 - Demonstrates proficiency in one or more languages other than English through one of the following methods:
 - i. A score of 3 or higher on a College Board Advanced Placement exam for a language other than English, or
 - ii. A score of 4 or higher on an International Baccalaureate exam for a higher-level language other than English, or
 - iii. Performance on a national assessment of language proficiency in a language other than English of at least Intermediate High or its equivalent.
 - B. In addition to meeting the requirements of paragraph A, an emergent bilingual student who has participated in and met the exit criteria for a bilingual or English as a Second Language (ESL) program, and have scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS).
3. Advanced Placement exam - a score of 3 or above
4. International Baccalaureate exam – a score of 4 or above
5. Preliminary SAT/National Merit Scholarship (PSAT/NMSQT) – a score that qualifies a student for recognition as a commended scholar or higher by College Board and National Merit Scholarship Corporation, or as an awardee of the National Recognition Programs of College Board.
6. SAT - earning a total score of at least 1350
7. ACT – earning a composite score (excluding the writing sub score) of 29
8. State, Nationally, or Internationally Recognized Business or Industry Certification or License - earning a state-recognized, nationally or internationally recognized business or industry certification or license as follows:
 - A. Performance on an examination sufficient to obtain a nationally or internationally recognized business or industry certification, or
 - B. Performance on an examination sufficient to obtain a government-required credential to practice a profession

STAAR End of Course Assessments

Students entering the 9th grade will take five State of Texas Assessments of Academic Readiness (STAAR) end-of-course (EOC) assessments as a graduation requirement. STAAR EOC assessments required for graduation are: English I (reading and writing), English II (reading and writing), Algebra I, Biology, and US History. Students must meet state testing requirements, as well as earn credits in required courses, in order to earn a diploma.

Failure to Perform Satisfactorily on an EOC

If a student does not perform satisfactorily on an EOC, the district will provide accelerated instruction. Failure of a student to attend accelerated instruction may result in violations of required school attendance.

STAAR (State of Texas Assessments of Academic Readiness)

In addition to routine tests and other measures of achievement, students in grades 3-8 are required to take the state assessment, called STAAR.

Failure to Perform Satisfactorily on STAAR Reading or Math

If a student in grades 3–8 does not perform satisfactorily on the state assessment, the district will provide accelerated instruction for the student. A student who does not attend accelerated instruction may violate school attendance requirements.

For a student who does not perform satisfactorily on the math or reading assessment in grades 3, 5, or 8, the district will establish an accelerated learning committee (ALC), which includes the student's parent, to develop an educational plan for accelerated instruction to enable the student to perform at the appropriate grade level by the conclusion of the next school year. The district will document the educational plan in writing and provide a copy to the student's parent. The parent of a student in grades 3, 5, or 8 who fails to perform satisfactorily on the math or reading assessment may:

- Request that the district consider assigning the student to a particular classroom teacher in the applicable subject area, if more than one classroom teacher is available.
- File a grievance or complaint regarding the content or implementation of the ALC's educational plan. See Complaints and Concerns (All Grade Levels) on page 42 of the Student Handbook and FNG(LOCAL).

Standardized Testing for a Student Enrolled Above Grade Level

If a student in grades 3–8 is enrolled in a class or course intended for students above his or her current grade level in which the student will be administered a state-mandated assessment, the student will be required to take an applicable state-mandated assessment only for the course in which he or she is enrolled, unless otherwise required to do so by federal law. A student in grades 3–8 shall be assessed at least once in high school with the ACT or the SAT if the student completes the high school end-of-course assessments in mathematics, reading/language arts, or science prior to high school.

Standardized Testing for a Student in Special Programs

Certain students—some with disabilities and some classified as Emergent Bilinguals—may be eligible for exemptions, accommodations, or deferred testing. For more information, see the principal, school counselor, or special education director.

Personal Graduation Plans - Middle School Students

For a middle-school student who does not perform satisfactorily on a state-mandated examination, a school official will prepare a personal graduation plan (PGP). School officials will also develop a PGP for a middle-school student who is determined by the district to be unlikely to earn a high school diploma within five years of high school enrollment. The plan will, among other items;

- Identify the student's educational goals,
- Address the parent's educational expectations for the student, and
- Outline an intensive instruction program for the student.

[See the school counselor and policy EIF(LEGAL) for more information.]

For a student receiving special education services, the student's IEP may serve as the student's PGP and would therefore be developed by the student's ARD committee.

[See Personal Graduation Plans on page 63 of the Student Handbook for information related to the development of personal graduation plans for high school students.]

Special Education

A number of special education services are offered at the senior high school level and post-secondary level. A continuum of services is listed below:

- Classes for students who are deaf or hard of hearing
- Support Facilitation Within General Education Classes
- Co-Teach Within General Education Classes
- Content Instruction Provided in Special Education Classes
- Vocational Preparation and Job Training Classes
- Structured Learning Classes (SLC)
- Learning In a Functional Environment Classes (LIFE Classes)
- Social, Emotional, and Behavioral Support Services (SEBSS)
- 18 Plus Services- Vocational Transition Center

Courses are developed for both local and state credit requiring modified instruction. These courses are developed to increase successful instructional access to the general education course curriculum or, if necessary, serve as a replacement course.

For students requiring an alternative curriculum, courses are developed for state credit.

A four- or six- year graduation plan for each student should be discussed and developed in the annual Admission, Review, and/or Dismissal meeting that will take place prior to a student's fourteenth birthday.

A student entering Grade 9 in the 2014-2015 school year and thereafter who receives special education services may graduate and be awarded a regular high school diploma if the student meets one of the following conditions.

1. The student has demonstrated mastery of the required state standards and satisfactorily completed credit requirements for graduation under the Foundation High School Program (relating to Foundation High School Program) applicable to students in general education as well as satisfactory performance, on the required state assessments, unless the student's admission, review, and dismissal (ARD) committee has determined that satisfactory performance on the required state assessments is not necessary for graduation.
2. The student has demonstrated mastery of the required state standards (or district standards if greater) and satisfactorily completed credit requirements for graduation under the Foundation High School Program through courses, one or more of which contain modified curriculum that is aligned to the standards applicable to students in general education, as well as satisfactory performance, on the required state assessments, unless the student's ARD committee has determined that satisfactory performance on the required state assessments is not necessary for graduation. The student must also successfully complete the student's individualized education program (IEP) and meet one of the following conditions.
 - A. Consistent with the IEP, the student has obtained full-time employment, based on the student's abilities and local employment opportunities, in addition to mastering sufficient self-help skills to enable the student to maintain the employment without direct and ongoing educational support of the local school district.
 - B. Consistent with the IEP, the student has demonstrated mastery of specific employability skills and self-help skills that do not require direct ongoing educational support of the local school district.

- C. The student has access to services that are not within the legal responsibility of public education or employment or educational options for which the student has been prepared by the academic program.
- D. The student no longer meets age eligibility requirements.

A student receiving special education services may earn an endorsement (relating to Endorsements) if the student:

1. satisfactorily completes the requirements for graduation under the Foundation High School Program as well as the additional credit requirements in mathematics, science, and elective courses with or without modified curriculum;
2. satisfactorily completes the courses required for the endorsement without any modified curriculum; and
3. performs satisfactorily on the required state assessments.

A student receiving special education services classified in Grade 11 or 12 who has taken each of the state assessments, but failed to achieve satisfactory performance on no more than two of the assessments is eligible to receive an endorsement if the student has met the requirements.

In order for a student receiving special education services to use a course to satisfy both a requirement under the Foundation High School Program and a requirement for an endorsement, the student must satisfactorily complete the course without any modified curriculum.

A student receiving special education services who entered Grade 9 before the 2014-2015 school year may graduate and be awarded a high school diploma under the Foundation High School Program as provided in (relating to Transition to the Foundation High School Program), if the student's ARD committee determines that the student should take courses under that program and the student satisfies the requirements of that program. As the TEC, §28.0258 and §39.025(a-2), modify the state assessment requirements applicable to students in general education, a student receiving special education services who is classified in Grade 11 or 12 who has taken each of the state assessments but failed to achieve satisfactory performance on no more than two of the assessments may graduate if the student has satisfied all other applicable graduation requirements.

A student receiving special education services who entered Grade 9 before the 2014-2015 school year may graduate and be awarded a regular high school diploma if the student meets one of the following conditions.

1. The student has demonstrated mastery of the required state standards (or district standards if greater) and satisfactorily completed credit requirements for graduation (under the recommended or distinguished achievement high school programs, as applicable, including satisfactory performance on the required state assessments).
2. A student receiving special education services who is classified in Grade 11 or 12 may graduate under the recommended or distinguished achievement high school program, as applicable, if the student has taken each of the state assessments but failed to achieve satisfactory performance on no more than two of the assessments and has met all other applicable graduation requirements in paragraph (1) of this subsection.
3. The student has demonstrated mastery of the required state standards and satisfactorily completed credit requirements for graduation (under the minimum high school program, as applicable, including participation in required state assessments. The student's ARD committee will determine whether satisfactory performance on the required state assessments is necessary for graduation).
4. The student has demonstrated mastery of the required state standards (or district standards if greater) through courses, one or more of which contain modified content that is aligned to the standards required under the minimum high school program, as applicable, as well as the satisfactorily completed credit requirements under the minimum high school program, including participation in required state assessments. The student's ARD committee will determine whether satisfactory performance on the required state assessments is necessary for graduation. The student graduating under this subsection must also successfully complete the student's IEP and meet one of the following conditions.

- A. Consistent with the IEP, the student has obtained full-time employment, based on the student's abilities and local employment opportunities, in addition to mastering sufficient self-help skills to enable the student to maintain the employment without direct and ongoing educational support of the local school district.
- B. Consistent with the IEP, the student has demonstrated mastery of specific employability skills and self-help skills that do not require direct ongoing educational support of the local school district.
- C. The student has access to services that are not within the legal responsibility of public education or employment or educational options for which the student has been prepared by the academic program.
- D. The student no longer meets age eligibility requirements.

All students graduating under this section must be provided with a summary of academic achievement and functional performance. This summary must consider, as appropriate, the views of the parent and student and written recommendations from adult service agencies on how to assist the student in meeting postsecondary goals. An evaluation must be included as part of the summary for a student graduating.

Students who participate in graduation ceremonies but who are not graduating and who will remain in school to complete their education do not have to be evaluated.

Employability and self-help skills referenced are those skills directly related to the preparation of students for employment, including general skills necessary to obtain or retain employment.

For students who receive a diploma, the ARD committee must determine needed educational services upon the request of the student or parent to resume services, as long as the student meets the age eligibility requirements.

For purposes of this section, modified curriculum and modified content refer to any reduction of the amount or complexity of the required knowledge and skills. Substitutions that are specifically authorized in statute or rule must not be considered modified curriculum or modified content.

For Students with Dyslexia

Locally developed courses are available for students with Dyslexia who qualify under Section 504 or Individuals with Disabilities Education Improvement Act (IDEIA). These courses offer evidenced-based, multi-sensory structured literacy instruction.

Entrance from Non-Accredited Institutions and Home School Programs

Students entering a District school from non-accredited public, private, or parochial schools, including home schools, shall be placed initially at the discretion of the principal, pending observation by classroom teachers, guidance personnel, and the principal. Criteria for placement may include:

- Scores on achievement tests, which may be administered by appropriate District personnel.
- Recommendation of the sending school.
- Prior academic record.
- Chronological age and social and emotional development of the student.
- Other criteria deemed appropriate by the principal.

The District shall validate high school credit for courses of transfer students from non-accredited public, private, or parochial schools by testing or by other evidence that the courses meet State Board requirements and standards. {FD (LOCAL)}

Students will be administered an assessment test(s) or credit by exam(s) in order to determine grade level placement, and to determine graduation credits for high school courses in grades 9-12.

Extra Grade Point Credit for Transfers to Lubbock ISD

Grades for a transfer student shall be used in the calculation in the same manner as for students whose credits have been earned in the District. Honors/Pre-AP, AP, IB, and OnRamps weight shall be awarded only for the Honors/Pre-AP, AP, IB, and OnRamps courses available to students in the District and only if the courses are identified as such on a student's transcript. {EIC (LOCAL)}

Classification of Students

Students must have at least five credits at the beginning of the school year to be classified as sophomores. Students who have fewer than five credits at the end of their ninth grade year are deficient and should attend summer school to remove this deficiency. At the beginning of the sophomore year, a student must have at least five credits toward graduation or have passed five credits the previous year in order to be eligible for extracurricular activities. Students are encouraged to complete English I and Algebra I prior to the sophomore year.

Students must have at least ten credits at the beginning of the school year to be classified as juniors. Students who have fewer than ten credits at the end of their sophomore year are deficient and should attend summer school to remove this deficiency. A student must have at least ten credits toward graduation or have passed five credits the previous year in order to be eligible for extracurricular activities.

Students must have at least fifteen credits at the beginning of the school year to be classified as seniors. Students who have fewer than fifteen credits at the end of their junior year are deficient and should attend summer school to remove this deficiency. A student must have at least fifteen credits toward graduation or have passed five credits the previous year in order to be eligible for extracurricular activities.

Courses taken in summer school, by correspondence or credit by examination or through Lubbock ISD Online Advancement Program for acceleration during ninth through twelfth grades can count toward eligibility; however, credit by examination for prior instruction will not count toward eligibility. Students may earn high school credit through correspondence or credit by examination beginning the summer after the successful completion of the eighth grade.

Rank in Class

For the purposes of determining all applicable honors to be conferred during graduation activities, the District shall calculate class rank at the end of the third nine-weeks of the senior year. The third nine-weeks grades shall be used as the semester grade for this purpose. The rank will also include all twelfth grade first semester grades, and all grades in the eleventh, tenth, and ninth grades, as well as Algebra I in grade eight, and World Languages in grades seven and eight.

All subjects in which a numerical grade is given shall be used in evaluating rank. A course may be taken a second time only if the first grade is below a 90. If the same course is taken a second time, both grades shall show on the transcript and both grades shall be counted toward the grade point average and rank in class. Grade point averages are carried to the hundredths but are not rounded up. For the purpose of determining rank in class, as well as for determining honor graduates, the following grade point scale will be used to calculate GPA beginning with the 2017-18 school year:

Grade	Advanced Course	Regular Course
(90-100)	5.0	4.0
(80-89)	4.0	3.0
(70-79)	3.0	2.0
(below 70)	0	0

Valedictorian, Salutatorian, Highest Ranking Graduate, Honor Graduate

Students desiring to reach any of the levels named should take weighted courses in the earliest year possible. Course planning should begin as the student enters the eighth grade. Students and parents are encouraged to consult with school counselors and to attend any orientation meetings provided that address this topic. The student with the highest grade point average in each high school shall be named valedictorian. The student with the second highest grade point average shall be named salutatorian. The grade point average for these two shall not be limited to the hundredth place. If there is a two-way tie, both valedictorians will receive the same honor and both will be named the Highest Ranking Graduate (HRG).

TEA policy with regard to HRG is as follows:

"In conjunction with Texas Education Code (TEC), §54.301, the Texas Education Agency (TEA) provides an opportunity for each public and accredited non-public high school in Texas to identify a student to award a "Highest Ranking Graduate" certificate and tuition waiver document. These documents shall be presented to the highest ranking graduate (HRG) in the senior class. Under no circumstances may a student ranked lower than "highest" be awarded this honor. The HRG should present the tuition waiver document to the college or university upon admission and retain the certificate for personal use. The HRG tuition waiver document authorizes the president of any state-supported college or university to provide a waiver for tuition in accordance with TEC §54.301."

If there is a tie among three or more students named valedictorian, the campus will adhere to the following criteria to determine HRGs:

- A review of each valedictorian's academic transcript will take place.
- Based on this transcript analysis, the two valedictorians with the highest numerical raw score will be named the HRGs and their names will be submitted to TEA. (There may still be several students named and recognized as valedictorians at the commencement exercises, but only the two identified as HRGs will receive a certificate and tuition waiver, per TEA policy). In the event the HRG enrolls in a non-Texas public institution of higher education, the individual will forfeit the tuition waiver unless he/she chooses to transfer and attend a Texas public college/university after their first semester.
- In accordance with TEA, the certificate is awarded only to the two valedictorians named HRGs; even if it is forfeited by one of them, no other valedictorians beyond the two named as HRG will be eligible to receive the tuition waiver certificate.

Other policies for valedictorian and salutatorian graduates include:

- All semester courses in which a numerical grade is given, including Algebra I Honors in grade 8 and World Languages in grades 7 and 8, are used in averaging.
- A course may be taken a second time only if the first grade is below a 90. If the same course is taken a second time, both grades shall show on the transcript and both grades shall be counted toward the grade point ratio and the rank in class.
- Certain courses are specified by the district to receive additional grade points.
- Early graduates cannot be valedictorian or salutatorian. In addition, to be eligible for this local graduation honor, in the graduating classes of 2021, 2022, and 2023, a student must have been continuously enrolled in the same District high school for the four semesters immediately preceding graduation. Beginning with the graduating class of 2024, a student must have been continuously enrolled in the same District high school for the six semesters immediately preceding graduation.
- The provisions governing the selection of the valedictorian and salutatorian shall be the same as those used in the ranking of senior students, determined after the end of the third nine weeks of the student's senior year.
- Students must complete any credits earned from a source other than the District no later than March 1.
- Graduates must have completed the Foundation Program plus Endorsement for graduation.

An honor graduate shall have a grade point average of at least 3.50 and the average shall not be rounded up. A high honor graduate shall have a grade point average of at least 4.00 and the average shall not be rounded up.

Level Changes

Guidelines for Requesting Level Changes

A student shall remain in a weighted course for the first three weeks of instruction before a level change will be considered. A student may be granted a level change from a weighted course to the equivalent on-grade level course between the beginning of the third week of instruction to the end of the sixth week of instruction. A student shall remain in the course for the remainder of the school year after the drop window has passed.

Under extenuating circumstances, students may request a schedule change to an on-level equivalent course outside the drop window. Such requests are considered on a case-by-case basis at the discretion of the campus administration with guidance from the office of Advanced Academics.

Exceptions to Guidelines for Requesting Level Changes

A student may drop to an on-level equivalent of a year-long course within the first two weeks of the second semester if the student has a 1st-semester average of 75 or below and there is space available within the on-level sections. No level changes will be granted after that point for a year-long course.

Students taking a weighted class that has no on-grade-level equivalent (i.e. AP Biology, AP Music Theory, or AP Art History, etc.) are allowed to drop a course within the first two weeks of school (or of the 2nd semester in the case of a semester course). Otherwise, the student must remain in the course for the remainder of the school year after the drop window has passed.

With the recommendation of the teacher of the weighted core course, a student may move from an on-grade-level core course to its weighted equivalent (i.e. from English II to English II Pre-AP) within the first two weeks of the second semester.

Procedures for Requesting Level Changes

The following guidelines must be followed before a student will be able to drop a weighted course:

- The student shall initially meet with the teacher concerning the level change request.
- The parent and teacher must make contact (by phone, email, or in person).
- The student must secure the written approval of the parent and teacher before returning the form to the counselor, and the teacher must make a record of the teacher-student and teacher-parent contact before signing the schedule change form.

Adding/Dropping a Class

Guidelines for Requesting to Drop/Add a Class

A student will be allowed to drop/add a year-long or semester course from his/her schedule during the first week of the first semester. A student who is in a semester course will be allowed to drop/add a class in the first week of the second semester. Year-long courses can NOT be dropped in the second semester nor will students be allowed to move into a year-long course at semester.

Exceptions to Guidelines for Requesting to Drop/Add a Class

The only exceptions to the above guidelines involve level changes from a weighted course to its on-level equivalent or vice-versa (see below under EXCEPTIONS to Guidelines for Requesting Level Changes).

Procedures for Requesting to Drop/Add a Class

A course will only be dropped/added during the first week of the semester with the approval of the student, the parent, the counselor, and the campus administrator. Signed parent permission must be received before any class is dropped/added. The student credit status will be evaluated carefully before approval is given. NOTE: ARD committee decisions may waive the deadlines listed above.

Partial or Full Credit

Beginning with the 2020-2021 school year:

- When a student fails a semester of a full-year course, the student shall earn credit for the entire course if the combined grade average for the first and second semesters is a 70 or higher.
- When a student earns a passing grade in a semester of a course and the combined grade for both semesters is lower than 70, the district shall award the student credit for the semester with the passing grade.

Credit Recovery Program

Students who fail a course in a traditional classroom setting may be recommended by their counselor or administrator to retake the course through the online Edgenuity platform. Credit must be earned by the end of the semester in which the student is enrolled in the course and may not be rolled over to summer school or the following semester. The recovered grade for an Edgenuity credit recovery course cannot exceed 75% and the grade and credit will become part of the student's permanent grade record and added to the official transcript by the counselor.

Courses Taken as Pass/Fail

Students in grades 10-12 may take designated coursework as pass/fail by declaring their intent in writing prior to the end of the first nine weeks of class (fall semester) and prior to the end of the third nine weeks of class (spring semester), provided the following criteria are met:

- Graduation requirements must be fulfilled within the core area where pass/fail is requested
- Weighted courses may not be taken pass/fail. EXCEPTION: IB courses and AP Computer Science A are required to receive two credits by the TEA. One of these credits is administered as a pass/fail credit and is not calculated in the grade point average. The other credit is administered as a weighted credit and is calculated in the grade point average.
- Student must have a minimum grade point average of 4.0.

Non-weighted endorsement elective courses may be taken pass/fail.

Those achieving a grade of 70 or higher shall be awarded credit, but a numerical grade will not be recorded on the transcript nor included in the student's grade point average. The pass/fail grade will be indicated on the semester final grade.

By taking a non-weighted class pass/fail, this grade is not calculated in the grade point average. Thus, the student is not penalized for taking a course that does not receive extra grade points.

Pass/fail forms will be made available to all students who meet the criteria indicated above. Students in an IB course will not need to complete a pass/fail form for these courses. One of the credits is automatically administered as a pass/fail credit.

All office practice courses will be offered as pass/fail only.

Private or Commercially-Sponsored Physical Activity Programs

In accordance with local district policy, a school district may award credit for physical education for appropriate private or commercially-sponsored physical activity programs conducted on or off campus in grades 9-12. The district must apply to the commissioner of education for approval, and approval may be granted under the following conditions:

- Olympic-level participation and/or competition includes a minimum of 15 hours per week of highly intensive, professional, supervised training.

- Private or commercially-sponsored physical activities include 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.

See school counselor for additional information and requirements regarding this policy

Student Fees

Materials that are a part of the basic educational program are provided with state and local funds at no charge to the student. However, a student may be required to pay certain other fees, depending on program requirements. Those fee schedules will be provided by course instructors during the first two weeks of the school year.

Lubbock ISD Policy FP (LOCAL): Upon receipt by the district of reliable proof that a student and his or her parent are unable to pay a fee or deposit required by the school, such fee or deposit shall be waived. Such student and his or her parent or guardian must present evidence of their inability to pay to the appropriate principal who shall determine eligibility for a fee waiver.

Students enrolled in English classes will not be required to purchase supplemental texts. Copies of all texts read in these courses will be provided for students.

Request for Assignment for Courses Not Scheduled at Home School

Students desiring to enroll in a course not scheduled at their home schools should consult with their counselor or principal before filling out a transfer request.

- Students desiring a course or program not scheduled at their home schools should complete and submit a transfer application by the spring semester deadline to become a full-time student at the school where the course or program is offered. (The Career & Technical Education (CTE) course Cosmetology requires an application to be completed in the spring semester, but does not require a school transfer.)
- Students desiring a course at the Byron Martin Advanced Technology Center (ATC) and/or AgriSTEM Center will stay at their home school for all other courses. Students will sign up through the regular enrollment procedures to attend classes at the ATC. Transportation is provided.

Correspondence, Credit by Examination (CBE) for Prior Instruction, and CBE for Acceleration

In addition to the regular fall and spring semesters, students may earn credit in any of the following programs for which they qualify. The courses below are not eligible for any weighted credit.

- Online courses through Lubbock ISD Online Advancement Program or courses taken through any other online entity
- Correspondence Courses*: A maximum of three (3) credits may be earned from state-approved universities
- Credit by Examination for Prior Instruction*: For courses taken, but failed. Students must score at least 70% to earn credit.
- Credit by Examination for Acceleration*: Available at no cost to students who wish to accelerate and earn credits without formal instruction. Student must score at least 80% to earn credit and is allowed no more than two attempts on each accelerated exam.

*CTE college credit will not be granted for any of these courses.

Lubbock ISD Online Advancement Program and Course Selection

An online for advancement program will be used for these courses. In an effort to maintain security while dispensing information, students will be assigned a password-protected login to the online for advancement program website.

It is the student's responsibility to monitor course enrollment and progress. E-mail will need to be checked on a regular basis for information regarding course deadlines. All necessary information will be communicated in this manner. Further information about these courses, including technical requirements specific to each course, registration dates, session dates, cost, and courses offered, can be obtained on the Lubbock ISD Online Advancement Program webpage at <https://www.lubbockisd.org/o/lisd/page/online-advancement-program>

Registration for online courses is required, and a student's counselor must be aware of the online course that will be taken prior to the student enrolling in the course. This will ensure that students take the appropriate online course for graduation purposes. Registration for online courses can be completed online. The link for the registration page can be accessed at the previously mentioned page on Lubbock ISD's Online Advancement Program website.

Advanced Academic Courses

Gifted and Talented Services

Students who are identified as Gifted and Talented (GT) will be provided opportunities in designated English, social studies, math, and science courses as well as RTI/Enrichment time to meet their educational, psychological, and social needs. Students will be provided opportunities to work together with other GT students and/or independently to produce advanced level products or performances such as the Texas Performance Standards Project. The curricula will be differentiated through content (depth and complexity), process, and product.

Honors/Pre-Advanced Placement (Pre-AP) Courses

Honors/Pre-AP courses are preparatory for Advanced Placement (AP) courses. No AP examinations are taken at the end of an Honors/Pre-AP course. All Honors/Pre-AP courses taken for high school credit receive one extra grade point per semester.

Advanced Placement (AP) Courses

For over 50 years, the College Board's Advanced Placement (AP) Program has partnered with colleges, universities, and high schools to provide students with the opportunity to take college-level coursework and exams while still in high school. Offering a variety of subjects, each culminating in a rigorous exam, AP provides motivated and academically-prepared students with the opportunity to earn college credit or placement and helps them stand out in the college admissions process. The AP program provides students an opportunity for learning that goes beyond just facts and figures. The rich course material, classroom discussions, and demanding assignments typical of AP courses will help the student develop the content mastery and critical thinking skills expected of college students, and feel confident in his/her abilities. Taught by AP teachers who bring cutting-edge content knowledge, expert teaching skills, and rigor to the classroom, AP courses help students develop the study skills, habits of mind, and critical thinking skills that they will need in college.

AP is accepted by more than 3,600 colleges and universities worldwide for college credit, advanced placement, or both on the basis of successful AP exam grades. A qualifying score ranges from 3-5. This includes over 90 percent of four-year institutions in the United States. More information about the AP Program is available at AP Central®, the College Board's online home for AP teachers (apcentral.collegeboard.com). Students can find more information at the AP student site (www.collegeboard.com/student).

The College Board and Lubbock ISD are committed to the principle that all students deserve an opportunity to participate in rigorous and academically challenging courses and programs. We believe:

- All students who are prepared and willing to accept the challenge of a rigorous academic curriculum should be considered for admission to AP courses.
- Barriers that restrict access to AP courses should be eliminated for students from ethnic, racial and socioeconomic groups that have been traditionally underrepresented in the AP program.
- Schools should make every effort to ensure that their AP classes reflect the diversity of their student population.

AP courses typically require more work outside of class time on the part of the students than do other courses. AP courses earn one extra grade point per semester course. AP courses prepare students to take AP examinations.

As a result of scoring at a designated level on an AP exam, students may earn college credit or may test out of a course and advance to the next course, or both. All Lubbock ISD high schools participate in the AP program. The AP exams are administered in May of the spring semester. Students have the opportunity for additional preparation by attending district-wide Saturday and/or weekday study sessions and campus tutoring for these AP exams. All students enrolled in an AP course will be required to take the AP exam at no cost to the student.

International Baccalaureate (IB) Diploma Program

Developed by the International Baccalaureate (IB) Organization in Geneva, Switzerland, IB courses are designed to emphasize ideals of international understanding and responsible citizenship. All teachers of IB courses have received extensive training through IB sponsored institutes throughout the world. IB courses require students to be highly motivated, project oriented and inquisitive. IB courses earn one extra grade point per semester course just as AP and Honors/Pre-AP courses do.

Each IB course prepares students to take corresponding examinations that lead to the IB Diploma. The IB exams are given in the spring semester to juniors and seniors. Students may sit for exams only if they are in the IB Diploma Program. Students often receive college credit, advanced standing and/or preferential admissions to universities around the world. For more information on IB university recognition, visit www.ibo.org (click on University admission and then click on Recognition of the IB). Lubbock High School is the only school in Lubbock ISD that offers the IB Diploma Program.

International Baccalaureate Career-Related (IBC) Program

The International Baccalaureate (IB) Career-related Program (CP) is a framework of international education that incorporates the values of the IB into a unique program addressing the needs of students engaged in career-related education. It is designed to lead students to further/higher education, apprenticeships or employment.

As part of the IBC Program requirements, students will complete at least two Diploma Program courses at either a standard level course or higher level course. These two courses must be taken in the junior and senior year at Coronado High School and are part of the basic requirements to graduate in the state of Texas.

A key element of the IBC Program is the CP core. The CP core enhances a student's personal and interpersonal development, with an emphasis on experiential, hands on learning. Students in the IBC Program will be enrolled in a Personal and Professional Skills (PPS) course that spans the junior and senior year and is designed to develop attitudes, skills and strategies to be applied to personal and professional situations and contexts now and in the future. Within the PPS course, students will have the opportunity to work towards completion of the other three components of the CP core:

- Service Learning - the development and application of knowledge and skills towards meeting an identified and authentic community need
- Reflective Project - students identify, analyze, and critically discuss and evaluate an ethical issue arising from their career related study (architecture & construction, business management, culinary, or engineering)
- Language Development - encourages students to improve their proficiency in a language other than their best language

CHS will continue to partner with the district's Advanced Technology Center (ATC) and offer the following career related pathways: Architecture & Construction, Business Management, Culinary, and Engineering.

OnRamps Dual Enrollment Courses

OnRamps is an innovative dual enrollment program that enables high school students to experience the academic rigor of college and earn college credit through the University of Texas at Austin while still in high school.

Offerings include advanced courses with college-aligned content that transfer to any public university in Texas as core curriculum credits. Each participating high school teacher receives over 80 hours of training during their first year in innovative pedagogy, college-level content, and technology-enhanced education. The OnRamps program includes many unique features for dual enrollment. Students wanting to attempt OnRamps courses are exempt from the TSI Exam requirements. Students successfully completing the courses are provided an option of accepting or declining the college credit, thus providing students a low risk option for attempting a college

level course. More information about the University of Texas at Austin OnRamps program is available at <https://onramps.utexas.edu/>. OnRamps course availability varies from campus to campus and year to year. Students should consult with their counselor for details on course availability.

Dual Credit Courses

The Lubbock Independent School District and several area two- and four-year institutions have created a dual credit program for qualifying, eligible students at all five high schools and the Advanced Technology Center (ATC). Estacado High School has a tuition-free dual credit program through Texas Tech University. Estacado students have the opportunity to start dual credit hours as a freshman through the Estacado Early College High School program (EECHS).

Lubbock ISD students at all high school campuses can receive both high school and college credit for a course or courses which can transfer to accepting colleges and universities following the student's high school graduation. Students must meet college readiness standards as set by the Higher Education Coordinating Board before they can enroll in a dual credit course (TSI assessment or other testing options). The high school campus counselors will have additional information regarding these scores and possible exemptions due to STAAR End of Course scores and PSAT/SAT/ACT scores. Dual credit course availability is dependent upon teacher certifications at each high school campus and is subject to change from year to year. Students should contact the university of their choice to verify acceptance of dual credit hours.

AP Exam Credit	IB/IBC Exam Credit	OnRamps Dual Enrollment Credit	Dual Credit
This college credit is recognized nationwide at most universities based on the score (exams are scored on a 0-5 scale, with scores of 3 or higher potentially receiving credit). Students should contact the university for credit information.	This college credit is recognized nationwide at most universities based on the score (exams are scored on a 1-7 scale, with scores of 4 or higher potentially receiving credit). Students should contact the university for credit information.	Involves dual enrollment in high school and college course. Credits earned and accepted are reflected on UT transcripts and are factored into the GPA for that institution. Credit may be accepted or rejected depending on student satisfaction with the grade. For information about how credits will transfer, if they will apply to a major or degree program, or if the grade will factor into the GPA, students must contact the higher education institution they plan to attend.	Involves concurrent high school and college enrollment for college credit. Students should contact the junior college or university for credit information.
Students enrolled in AP courses will take the AP exams in the spring, in May. Test dates are set nationally.	IB/IBC exams are offered to IB/IBC students in the spring, usually in May. Test dates are set nationally.	Courses are offered during the junior and senior years of high school. Some courses are available to eligible sophomores.	Courses are offered during the junior and senior years of high school. Some courses are available to eligible sophomores.
Enroll through high school testing coordinators.	Enroll through high school IB/IBC coordinator	Enroll online through UT. A TSI exam is not required for enrollment in an OnRamps course.	Enroll online through the higher ed institution or, for EHS and Talkington students, with the counselor. Based on student's grade level, students must pass the STAAR test with certain scores. Students who do not meet a certain score will be required to take and pass the TSIA2, or exempt themselves through PSAT/SAT/ACT scores.

Earning College Credit

In addition to AP exams, IB/IBC exams, dual enrollment and dual credit courses, students may earn college credit by taking College Level Examination Program (CLEP) tests. These exams are given monthly at various testing centers. Participating colleges may award credit for AP, IB or CLEP test scores. Students should consult with college testing and admissions offices and counselors for additional information. College credit may also be given for the SAT II subject tests or college and university departmental examinations.

CTE College Credit for Career and Technical Education Classes

South Plains College and other community colleges throughout the state offer students taking Career and Technical Education classes an opportunity to earn CTE College Credit, which is free college credit, by scoring a “B” or higher in specific classes that are aligned with college courses. Students may use this credit toward an Associate of Applied Science Degree or Certificates in the technical areas. Credit will be awarded through South Plains College.

Academic Decathlon/Octathlon

Academic Decathlon® is a competition-based course wherein students match their intellects with students from other schools. Decathlon students study and are tested in ten categories: art, economics, essay, interview, language and literature, mathematics, music, science, social studies, and speech. Octathlon (9th and 10th graders only) is a preparatory class for Decathlon and students compete in every event except speech and interview. Academic Decathlon and Octathlon courses earn one extra grade point per semester course.

United States Academic Decathlon® provides students of all learning levels the opportunity to excel academically through team competition. Winning teams in Decathlon advance through the regional and state levels of competition. The state champions compete at the national finals. Acceptance to class is based on coach approval. Credits may be awarded for: Independent Study in English, Humanities, and Special Topics in Social Studies with approval from a high school counselor.

College Admissions

Top 10% Rule: Texas Education Code Section 51.803, Amended August 26, 2009

If you are in the top 10% of your high school graduating class, you are eligible for automatic admission to any public university in Texas except the University of Texas at Austin (see below). To meet the requirements for automatic admission, you must:

- Graduate in the top 10% of your class at a public or private high school in Texas, or
- Graduate in the top 10% of your class from a high school operated by the U.S. Department of Defense and be a Texas resident or eligible to pay resident tuition;
- Enroll in college no more than two years after graduating from high school;
- Successfully complete the requirements for the Foundation High School Program plus Endorsement including Algebra II (Distinguished Level of Achievement), or satisfy College Readiness Benchmarks on the ACT or SAT college entrance exam;
- Submit an application to a Texas public university for admission before the application deadline. (Check with the university for specific deadlines.)

Students must graduate under the distinguished level on the Foundation Program plus Endorsement in order to be eligible for automatic admission to any public university in Texas.

If you are admitted to college through the Top 10% Rule, you may still be required to provide SAT or ACT scores, but these scores are not used for admissions purposes. You must also take the TSI Assessment, unless you are exempt from the test requirement. Be sure to check with the college admissions office regarding the school's specific testing requirements.

After you are admitted, the university may review your high school records to determine if you are ready for college-level work. If you need additional preparation, you may be required to take a developmental, enrichment

or orientation course prior to your first semester of college. Please keep in mind that admission to a university does not guarantee acceptance into a particular program of study or academic department.

Information for Admission to the University of Texas at Austin

Entering freshman class of summer/fall 2024 and spring 2025, in accordance with Senate Bill 175, passed by the 81st Texas Legislature, allows the University of Texas at Austin to limit automatic admission to 75% of the university's enrollment capacity designated for first-time resident undergraduate students.

The University of Texas at Austin has determined that it will automatically admit all eligible summer/fall 2024 and spring 2025 freshman applicants who rank within the top 6% of their high school graduating classes, with remaining spaces to be filled through holistic review. Students are encouraged to confirm all admission criteria with the University of Texas at Austin.

Top 25% Admissions

Some universities in Texas have automatic admission for students that graduate in the top quarter (25%) of their graduation class. Go to **Texas Institutions of Higher Education** (<http://www.collegeforalltexans.com/index.cfm?objectid=F37DB129-AF15-41BB-E94442470E41B678>) to find the schools you need to contact to learn more about automatic admissions and Top 25% requirements.

College Entrance Exams

The College Board Preliminary Scholastic Achievement Test (PSAT) predicts how students will perform on the SAT, a test used for college admissions purposes. Lubbock ISD will administer the PSAT 8/9 test to district 8th and 9th graders and the PSAT to 10th graders at no expense to the student on the national test day in the fall semester. These test results will enable the district to provide better guidance in high school course choices for the student and their parents/guardians. The PSAT will be given on a voluntary basis, at student expense, to 11th grade students. Scores of the PSAT taken in the 11th grade year place the student in competition for scholarships offered by the National Merit Scholarship Corporation.

The American College Test (ACT) or College Board Scholastic Achievement Test (SAT) is required by most colleges. It is recommended that students take the ACT and/or SAT during the spring of their junior year, summer of their junior-senior transition, or by early fall of their senior year. Lubbock ISD will administer the SAT to district 11th graders at no expense to the student on the national test day in the spring semester. Students should consult current college entrance information to determine required or recommended tests and test deadlines. Continuation of all of these programs offered to 8th-11th grade students will be on a year to year basis.

The Texas Success Initiative (TSI) is designed to ensure that all students attending public colleges and universities in Texas have the reading, mathematics, and writing skills necessary to perform effectively in college-level course work. Students are encouraged to take the TSI Assessment 2.0 (TSIA2) while in high school. The test must be taken prior to enrolling in dual-credit courses. If the TSIA2 test score indicates that a student needs to improve his or her skills, a student can take a developmental course, work with a tutor, or participate in other activities during high school to improve those skills. Students may be exempted from the TSIA2 based on their SAT, ACT, or EOC STAAR scores. The counselor or campus testing coordinator can be consulted for additional information, or you may visit the TSIA website (<https://tsia2.accuplacer.org/>) for more information and resources.

The Lubbock Independent School District is a recognized TSI Assessment Institution and each high school campus is a recognized testing site. TSIA2 is a computerized placement testing system designed to provide information about the academic skills of students in English, math, and reading. The primary function of the TSIA2 is to assist with determining if students are prepared for a college-level course. TSIA2 can serve as a tool to evaluate the college readiness of students in high school. Students with scores indicating they are not prepared for college-level work can be provided with information about how to improve their academic skills while they are still in high school. Lubbock ISD students wishing to take advantage of this option may do so by contacting the testing coordinator at their high school.

Financial Aid

Financial aid is available to help qualified students pay for education beyond high school. Financial assistance can cover educational costs including tuition and fees, room and board, books and supplies, and transportation. There are several types of financial aid, including grants, scholarships, and even some employment opportunities through work-study programs. It is very important to begin planning early. Information can be obtained from counselors and from the college financial aid office. The Texas Higher Education Coordinating Board has a very comprehensive website (<https://www.highered.texas.gov/>) where students and parents can read about tuition exemptions, grant programs, the top 10% admissions statute, the FAFSA (free application for federal student aid), TASFA (Texas Application for State Financial Aid), and other information about financial aid.

Toward Excellence, Access, and Success Grant Program (TEXAS Grant)

The Texas Legislature established the TEXAS Grant to make sure that well-prepared high school graduates with financial need could go to college.

Eligibility Requirements

To be eligible for a TEXAS Grant award, a student must:

- Be classified by the institution as a Texas resident
- Be registered with Selective Service, or be exempt
- Have financial need, as determined by the institution
- Be enrolled at least 3/4 time
- Not have earned a baccalaureate degree
- Not have been convicted of a felony or crime involving a controlled substance

To receive an initial award, a student must enroll in a baccalaureate program in an eligible institution via one of the following four ways:

- **High School Graduation Pathway:** Graduation from an accredited public or private high school in Texas (homeschool graduates are not eligible) and enrollment at an approved institution prior to the end of the 16th month after high school graduation. The student must not have attempted more than 30 semester credit hours (excluding credits for dual enrollment or by examination); OR
- **Associate Degree Pathway:** Enrollment in an eligible institution prior to the end of the 12th month after the calendar month in which the student earned an associate degree from a public or private nonprofit Texas institution of higher education; OR
- **Honorable Military Discharge Pathway:** Enrollment in an eligible institution of higher education within 12 months after being honorably discharged from military service. Enlistment in the military must have occurred within 12 months after graduation from an accredited public or private high school in Texas on May 1, 2013 or later. The student must not have attempted more than 30 semester credit hours (excluding credits for dual enrollment or by examination); OR
- **Transfer Pathway:** Completion of at least 24 semester credit hours with a minimum 2.5 GPA after receiving a Texas Educational Opportunity Grant (TEOG) in fall 2014 or later and transferring to an eligible institution with a minimum 2.5 GPA.

Initial award priority consideration is given to high school graduation pathway and military pathway recipients who meet at least one high school graduation requirement in at least two of the following four areas:

AREA	REQUIREMENT(S)
Advanced Academic Program	- Complete 12 hours of college credit (dual credit or AP courses) - Complete the equivalent of the Recommended or Advanced High School Program - Complete the International Baccalaureate (IB) Program
TSI Readiness	- Meet the Texas Success Initiatives (TSI) assessment thresholds or qualify for an exemption
Class Standing	- Graduate in the top 1/3 of the high school graduating class - Graduate with a GPA of at least 3.0 on a 4-point scale or the equivalent
Advanced Math	- Complete at least one math course beyond Algebra II - Complete at least one advanced career and technical or technical applications course, as determined by the Texas Education Agency

To continue receiving a TEXAS Grant award, an eligible student must:

- Meet all eligibility requirements
- Meet yearly academic program requirements. Check with your institution for details.

Award Amount

Award amounts vary year to year. An eligible student may receive up to \$5,379 per semester.

Application Process

- Complete and submit the Free Application for Federal Student Aid (FAFSA). If you are not eligible to complete the FAFSA, you may submit the Texas Application for State Financial Aid (TASFA). These applications are available October 1 each year.
- Priority may be given to students who apply by the January 15 priority deadline. Check with your institution on specific submission requirements.
- The financial aid office at your institution will determine your eligibility for this program and notify you if you are eligible.
- Note: Funds may not be immediately available to recipients at the beginning of the semester. Contact your institution's financial aid office if you have questions about eligibility and availability of funds.

Additional Information

Contact your Texas public university or health-related institution if you have questions.

Texas Public Educational Grant Program (TPEG)

The TPEG provides grant assistance to students with financial need. Students who are Texas residents, non-residents, or foreign students, show financial need, and register for the Selective Service or are exempt from this requirement can apply. Each institution may set its own priorities in making awards to undergraduate or graduate students; to full- or part-time students. Check with the specific institution to find out these requirements. Public colleges or universities in Texas make TPEG awards from their own resources. Only in-state (Texas) colleges or universities may participate in the program. Only public colleges or universities participate in the program (no private, non-profit or career colleges or universities). Students must complete the Free Application for Federal Student Aid (FAFSA). Each institution might set its own maximum award amounts. The financial aid office at the college or university the student applied to will notify the student if he/she is eligible. For additional information visit: www.collegeforalltexans.com.

The Tuition Equalization Grant Program (TEG)

The purpose of the Tuition Equalization Grant Program (TEG) is to provide grant aid to financially needy students to enable them to attend private, non-profit colleges or universities in Texas.

Eligibility Requirements

To be eligible for a TEG award, a student must:

- Be classified by the institution as a Texas resident

- Be registered with Selective Service, or be exempt
- Have financial need, as determined by the institution
- Be enrolled in an eligible institution in Texas in a degree plan leading to a first associate, baccalaureate, master's, professional, or doctoral degree (excluding degree plans that are intended to lead to religious ministry)
- Be enrolled at least 3/4 time
- Be required to pay more tuition than is required at a comparable public institution
- Not have previously earned a degree for which they are currently enrolled
- Not be a recipient of an athletic scholarship during any semester TEG is awarded

To continue receiving a TEG award, an eligible student must:

- Meet all eligibility requirements
- Meet yearly academic program requirements. Check with your institution for details.

Eligible Institutions

Only nonprofit private Texas colleges or universities may participate.

Award Amount

- For the 2024-25 academic year, an eligible student may receive up to \$3,873.
- An eligible undergraduate student with exceptional financial need (defined as a student with an Expected Family Contribution, or EFC, less than or equal to \$1,000 for the year) may receive up to \$5,810.

Application Process

- Complete and submit the Free Application for Federal Student Aid (FAFSA). If you are not eligible to complete the FAFSA, you may submit the Texas Application for State Financial Aid (TASFA). These applications are available October 1 each year.
- Priority may be given to students who apply by the January 15 priority deadline. Check with your institution on specific submission requirements.
- The financial aid office at your institution will determine your eligibility for this program and notify you if you are eligible.
- Note: Funds may not be immediately available to recipients at the beginning of the semester. Contact your institution's financial aid office if you have questions about eligibility and availability of funds.

Additional Information: Your eligibility for this program is determined by the financial aid office at your college. Funds may not be immediately available to you at the beginning of the semester. Contact your college's financial aid office for additional information on eligibility and availability of funds.

The Texas First Diploma

The Texas First Diploma is designed to keep Texas' best and brightest on a direct track to a postsecondary pathway here in our great state. Texas' top students can accelerate their path to college and earn up to a year in scholarship dollars to attend any Texas public college or university where they have been admitted.

Program Details

Students who graduate early and earn a Texas First Diploma receive a scholarship at participating institutions.

Students who graduate two or more semesters before their class receive a two-semester scholarship, equivalent to the amount of the TEXAS grant, to a participating college, university, or technical college. Students who graduate one semester early receive a one-semester scholarship to a participating institution of higher education. Students may also be eligible for additional financial aid at most of these institutions.

The Texas First Diploma does not guarantee automatic admission for students. Students should ask their counselor if their grade point average at graduation qualifies them for automatic admission under the state's top 10 percent law.

Students who graduate early with a Texas First Diploma may apply to any college or university they choose. However, the scholarship will apply only at the Texas public institution of higher education where they have been admitted.

The scholarship offer will expire at the end of the first academic year following a student's graduation, so students are encouraged to attend college directly after high school.

Student Eligibility Requirements

Eligible students must demonstrate college readiness in academics and attitude. Eligibility requirements include the following:

- Texas residency
- FAFSA or TASFA completion
- At least 22 high school credits
- Final GPA equivalent to 3.0 or higher on a 4.0 scale
- Overall score in at least the 80th percentile on one or more of the following assessments: ACT, SAT, PSAT/NMSQT, TSI/TSIA2, or GED; or, alternatively, a GPA in the top 10 percent of the student's class
- Completion of the STARR EOC exams in English I or II, Algebra I, and Biology, or completion of eligible substitute assessments
- Demonstration of mastery in each subject area of English/Language Arts, Mathematics, Science, Social Studies, and a language other than English

Students should contact their counselor to learn more about this program and verify their eligibility.

Suggestions to Ensure College Readiness

Typical Minimum Entrance Requirements:

As there is such a wide variation in the entrance requirements of various colleges, it is very difficult to list a typical or minimum entrance pattern. It is recommended that students secure current entrance requirement information from the colleges they may consider attending and select high school courses which will meet the entrance requirements for these colleges. Students should note that the entrance requirements vary within departments or divisions of a college. For example, engineering schools require that students present additional units in mathematics and science.

World Languages:

Four-year colleges and universities may require as many as three credits of the same world language for admissions. Two-year colleges typically do not require world language for admissions. It is strongly recommended that students secure current entrance requirement information from the colleges they may consider attending.

Required Credits and Limitations on Electives:

The number of electives allowed for admission varies considerably among colleges, and sometimes only a limited number of certain types of electives are accepted. Students should check carefully to determine the limitations placed by the college of their choice on the number of electives allowed in a certain subject area or in a combination of certain subject areas.

Specific College Degrees:

Students should consider whether the minimum entrance requirements will provide adequate background for the courses required by colleges for specific degrees.

Rank in Class:

Some colleges accept only those students who rank at a certain level of the class (for example: upper 10 percent or upper 25 percent).

These factors are covered in detail in the high school guide. To access the high school guide, visit the Lubbock ISD website at www.lubbockisd.org. Under the Departments link, click on Counseling and College/Career Readiness, then College and Career Readiness Guides.

MATHEMATICS

The Accelerated Mathematics Program is for students desiring to take the maximum number of math courses. Any ninth-grade student who intends to take AP Calculus as a senior should schedule the accelerated program. Students in the accelerated program are able to: (1) take Algebra I Honors in 8th grade, Geometry in 9th grade, Algebra II in 10th grade, Precalculus or AP Statistics in 11th grade, and AP Calculus or AP Statistics in 12th grade; or (2) take Algebra I in 9th grade, Geometry and Algebra II in 10th grade, Precalculus or AP Statistics in 11th grade, and AP Calculus or AP Statistics in 12th grade. Students enrolled in Honors/Pre-AP mathematics courses and take Algebra I Honors in 8th grade are strongly encouraged to take five years of mathematics.

Algebra I, Grade 9, 1 Credit [Regular] [Pre-AP - Talkington] [Honors - EHS]

This course provides a foundation for higher level mathematics courses. Students will study functional relationships, the connections among ways of representing these relationships, and the use of representations of functions to solve problems. Connections are made to geometry, data analysis, probability, and discrete mathematics. (03100500) (MALR11) (MALH11 - Pre-AP) (MALH21 - Honors)

Algebra I is a prerequisite for all other math courses. This course must be successfully completed in order to move on to all other math courses.

Algebra II, Grades 9-12, 1 Credit [Regular] {Honors} [OnRamps Dual Enrollment] [Dual Credit]

3rd math credit under Foundation Program

3rd or 4th math credit under Foundation plus Endorsement Program

This course is recommended as a preparatory course for students planning to attend any university, college, or technical institute. Students will use functions as models for a number of applied settings. Geometric and algebraic concepts are extended and connected to topics in probability and statistics, trigonometry, and discrete mathematics. Campuses may restrict enrollment in College Algebra to students who have already demonstrated TSI compliance (with the opportunity for students who have not demonstrated this standard to take College Prep Math-MISR31) (03100600) (MALR31) (MALH31) (MALD31) (MALD41) (MALH41)

College Algebra, Grades 11-12, 1 Credit [Regular] {Honors} [Dual Credit]

3rd math credit under Foundation Program

3rd or 4th math credit under Foundation plus Endorsement Program

This course studies the relations and functions of polynomial, rational, exponential, logarithmic, and special functions. It is for juniors or seniors who have not taken or are not taking Precalculus or Calculus. It is designed to prepare students to take college-entry freshman math and/or prepare students for the TSIA2, SAT, and ACT. College. Campuses may restrict enrollment in College Algebra to students who have already demonstrated TSI compliance (with the opportunity for students who have not demonstrated this standard to take College Prep Math-MISR31). Grade restriction can be adjusted with special permission. Prerequisites: Geometry and Algebra II. (03102500) (MISR21) (MISH21) (MISD21)

OnRamps College Algebra, Grades 10-12, 1 Credit [Dual Enrollment]

This course extends the concepts learned in Algebra II, either taken with Algebra II or studied as an independent course after the completion of Algebra II. OnRamps is a dual enrollment course, administered through the University of Texas at Austin. Grade restriction can be adjusted with special permission. (03102500) (MISH51)

AP Calculus AB, Grade 11-12, 1/2-1 Credit [Advanced Placement]

3rd math credit under Foundation Program

3rd or 4th math credit under Foundation plus Endorsement Program

Calculus is the mathematical study of change. Calculus AB includes topics in differential and integral calculus and is comparable to courses in colleges and universities. This course is for college-bound students who plan to enter a college program requiring a strong mathematics background. In order for students to take AP Calculus, see the recommended sequence of courses listed above. Grade restriction can be adjusted with special permission. (A3100101) (MCLH51)

AP Calculus BC, Grade 11-12, 1 Credit [Advanced Placement]

3rd math credit under Foundation Program

3rd or 4th math credit under Foundation plus Endorsement Program

This course is for college-bound students who plan to enter a college program requiring a strong mathematics background. Calculus BC is a full year course in the calculus of functions of a single variable. It includes all topics covered in Calculus AB plus additional topics. In order for students to take AP Calculus, see the recommended sequence of courses listed above. Grade restriction can be adjusted with special permission. (A3100102) (MCLH71)

College Prep Math, Grade 11-12, 1 Credit

This unweighted course is designed to prepare students for success on the Texas Success Initiative (TSI) Assessment. That exam, and therefore this course will cover the primary topics of (1) Elementary Algebra & Functions, (2) Intermediate Algebra & Functions, (3) Geometry & Measurement, and (4) Data Analysis, Statistics, & Probability. Students will learn and practice TSI-specific testing strategies, and they will also explore Math as it is used in various career fields, which will aid them in determining the next courses of Math study in high school or at the college level. (03102502) (MISR31)

College Readiness Math, Grade 12, 1 Credit

This course is a college preparatory course designed to assist students who do not meet college readiness standards based on the ACT, SAT or EOC test results. The course is embedded into math curriculum and intended to assist students in improving math techniques and skills that are necessary to be successful when enrolling in a college entry level math course. (CP111200) (MCLR31)

Differential Equations, Grades 11-12, 1 Credit [Weighted Credit]

This course focuses on linear differential equations and applications. Topics include but are not limited to: first order differential equations, linear and non-linear differential equations, series solution of linear equations, series solution of linear equations, the Laplace transform, and systems, both linear and non-linear. After completing this course, students will be able to apply numerical, computational, and estimation techniques. Prerequisite: AP Calculus AB or AP Calculus BC. (03102501) (MISH41) (LHS)

Geometry, Grades 9-12, 1 Credit [Regular] [Pre-AP]

This course continues to develop the foundation for high school mathematics. Geometry consists of the study of geometric figures of zero, one, two, and three dimensions and the relationships among them. Students perceive the connection between geometry and the real and mathematical worlds and use geometric ideas, relationships, and properties to solve problems. (03100700) (MGER21) (MGAH11)

IB Mathematics Analysis and Approaches I, Grades 11-12, 2 Credits [International Baccalaureate]

Year one of analytic methods with an emphasis on calculus – appropriate for pure mathematicians, engineers, scientists, economists, those with an interest in analytic methods – current SL or HL mathematics calculus option content will form part of the SL or HL course. This subject is aimed at students who will go on to study subjects with substantial mathematics content such as mathematics itself, engineering, physical sciences, or some economics courses. Prerequisite: Algebra II and Precalculus (I3100500) (IMAA31) (IMAA51) (LHS)

IB Mathematics Analysis and Approaches II, Grade 12, 2 Credits [International Baccalaureate]

Year two of analytic methods with an emphasis on calculus – appropriate for pure mathematicians, engineers, scientists, economists, those with an interest in analytic methods – current HL mathematics calculus option content will form part of the HL course. This subject is aimed at students who will go on to study subjects with substantial mathematics content such as mathematics itself, engineering, physical sciences, or some economics courses. Prerequisite: IB Math Analysis and Approaches I (I3100600) (IMAA41) (IMAA61) (LHS)

IB Mathematics Applications and Interpretation, Grades 11-12, 2 Credits [International Baccalaureate]

This course will have an emphasis on statistics, modeling and use of technology - appropriate for students with an interest in the applications of mathematics and how technology can support this. This subject is aimed at students who will go on to study subjects such as social sciences, natural sciences, statistics, business, some economics courses, psychology, and design. Prerequisite: Algebra II (I3100700) (IMAI31) (LHS)

Mathematical Models with Applications, Grades 9-12, 1 Credit

3rd math credit under Foundation Program and Foundation plus Endorsement Program

In this course, students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines such as personal finance, music, art, and architecture, and probability and statistics. (03102400) (MMMR21)

AP Precalculus, Grades 11-12, 1/2-1 Credit [Advanced Placement] [Dual Credit]

3rd math credit under Foundation Program

3rd or 4th math credit under Foundation plus Endorsement Program

This course is the study of college-level Algebra and Trigonometry designed to prepare students for the study of Calculus. The course approaches topics from a function point of view, and is designed to strengthen and enhance conceptual understand and mathematical reasoning. Grade restriction can be adjusted with special permission. Prerequisite: Geometry and Algebra II (A3100100) (MCKH31) (03101100) (MCKD31)

OnRamps Precalculus, Grades 11-12, 1 Credit [Dual Enrollment]

4th math credit under Foundation plus Endorsement Program

This course is the study of college-level Algebra and Trigonometry that is designed to prepare students for the study of Calculus. The course approaches topics from a function point of view, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning. This class is a dual enrollment course, administered through the University of Texas at Austin. Grade restriction can be adjusted with special permission. Prerequisites: Geometry and Algebra II. (03101100) (MCKH41)

AP Statistics, Grade 11-12, 1/2 - 1 Credit [Advanced Placement] [Dual Credit]

3rd math credit under Foundation Program

3rd or 4th math credit under Foundation plus Endorsement Program

This course is for college-bound students who plan to enter a college program involving the sciences and data analysis. This course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes of exploring data, planning a study, anticipating patterns, and statistical inference. Grade restriction can be adjusted with special permission. Recommended prerequisite of Algebra II. (A3100200) (MCLH61) (03102530) (MCLD61)

OnRamps Statistics, Grades 11-12, 1 Credit [Dual Enrollment]

3rd math credit under Foundation Program

3rd or 4th math credit under Foundation plus Endorsement Program

This course is for college-bound students who plan to enter a college program involving the sciences and data analysis. This course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes of exploring data, planning a study, anticipating patterns, and statistical inference. This class is a dual enrollment course, administered through the University of Texas at Austin. (03102530) (MCLH81)

UIL Mathematics, Grades 9-12, 1/2-1 Credit [Local Credit] [Weighted Credit]

This course provides an extensive study of calculator applications, number sense shortcuts, and knowledge of high school mathematics content in order to prepare for UIL math competition. Credit is available only for students participating in UIL mathematics competitions. (84100014) (MILH31)

CAREER & TECHNICAL EDUCATION (CTE) MATH COURSES

Accounting II, Grades 11-12, 1 Credit [Weighted Credit]

3rd math credit under Foundation Program and Foundation plus Endorsement Program

Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making. Students may earn an Industry Certification in QuickBooks Certified User. Prerequisite: Accounting I. (13016700) (YFAH21)

IB Computer Science HL, Grades 11-12, 2 Credits [International Baccalaureate HL]

This course satisfies a math credit requirement

IB Computer Science is a continued in-depth study and application of knowledge and skills learned in IB Computer Science SL. *Recommended prerequisite:* IB Computer Science SL and Algebra II (I3580310) (ICSC51) (I3580320) (ICSC61) (LHS)

Digital Electronics, Grades 11-12, 1 Credit [Weighted Credit]

3rd Math credit under Foundation Program and Foundation plus Endorsement Program. The major focus of the digital electronics course is to expose students to the process of combinational and sequential logic design, teamwork, communication methods, engineering standards and technical documentation. Prerequisites: Introduction to Engineering Design, Engineering Science, Algebra I and Geometry. **This course may be offered every other year.* (13037600) (YGDH61)

Robotics II, Grades 10-12, 1 Credit [Weighted Credit]

3rd math credit under Foundation Program and Foundation plus Endorsement Program

Robotics II is a continuation of Robotics and Automation. Students will build and design competition specific robots. Students will design, prototype, and test different mechanical, electrical and computer programming mechanisms to be used at competition. Students are expected to design and model ideas using 3D CAD software and are expected to show proper use of power tools and hand tools. Students will travel to different competitions to showcase their robot and compete against other teams throughout the year. Students will also research a local need and provide a solution. Students will present this solution with cost analysis to a board of professional engineers. Students will provide a 3D computer model, a working prototype and a market analysis in their presentation. Prerequisite: Robotics I. (13037050) (YGRH21)

Financial Mathematics, Grades 10-12, 1 Credit

3rd math credit under Foundation Program and Foundation plus Endorsement Program

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. Students will learn about budgeting, credit, insurance and how to make smart financial decisions. Prerequisite: Algebra I. (13018000) (YFFR11)

READING LANGUAGE ARTS

College Readiness English, Grade 12, 1 Credit

4th English credit under Foundation Program and Foundation plus Endorsement Program

This course is a college preparatory course designed to assist students who do not meet college readiness standards based on the ACT, SAT or EOC test results. The course is embedded into the English 4 curriculum and intended to assist students in improving techniques and skills in reading and writing that are necessary to be successful when enrolling in a college entry level English course. (CP110100) (LCLR31)

Communication Applications, Grades 9-12, 1/2 Credit

4th English credit (one-half) under Foundation Program and Foundation plus Endorsement Program

In this speech course, students will identify, analyze, develop, and evaluate oral communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations. (03241400) (LCAR20)

Creative Writing, Grades 10-12, 1/2-1 Credit

4th English credit under Foundation Program and Foundation plus Endorsement Program

Students participate in an introduction and examination of the different types of creative writing including poetry, prose, technical, and informative writing. Recommendation of English teacher suggested. (03221200) (LEWR30) (LEWR31)

Debate III, Grades 10-12, 1/2-1 Credit

4th English credit under Foundation Program and Foundation plus Endorsement Program

This course is designed to educate students in the art of argumentation. Content includes analysis of propositions, academic research, preparation of research files and briefs, writing of arguments supporting and opposing propositions of policy and value, skills of refutation, presentation and delivery. (03240800) (LCDR41)

English I, Grade 9, 1 Credit [Regular] [Pre-AP]

This course provides an integrated study of reading, writing, listening, speaking, oral and written conventions, and research. Students will study a wide variety of literary and informational texts; compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail; know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information; listen and respond to the ideas of others while contributing their own ideas in conversations and in groups; and learn how to use the oral and written conventions of the English language in speaking and writing. (03220100) (LENR11) (LAPH11)

English II, Grade 10, 1 Credit [Regular] [Pre-AP]

This course provides an integrated study of reading, writing, listening, speaking, oral and written conventions, and research. Students will study a wide variety of literary and informational texts; compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail; know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information; listen and respond to the ideas of others while contributing their own ideas in conversations and in groups; and learn how to use the oral and written conventions of the English language in speaking and writing. (03220200) (LENR21) (LAPH21)

English III, Grade 11, 1 Credit [Regular]

This course provides an integrated study of reading, writing, listening, speaking, oral and written conventions, and research with an emphasis on American literature. Students will study a wide variety of literary and informational texts; compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail; know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information; listen and respond to the ideas of others while contributing their own ideas in conversations and in groups; and learn how to use the oral and written conventions of the English language in speaking and writing. (03220300) (LENR31)

AP English III Language and Composition, Grade 11, 1 Credit [Advanced Placement] [Dual Credit]

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions

among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. (A3220100) (LENH61) (03220300) (LEND31)

OnRamps English III Rhetoric and Writing, Grade 11, 1 Credit [Dual Enrollment]

This is a college-level research-based, writing intensive course in argumentation situates rhetoric as an art of civic discourse. Utilizing the principles of rhetoric, students delve into the American identity through case studies in race, gender, and ethnicity. Student's research and analyze the various positions held in American public debate and learn to advocate their own positions effectively through a process of drafts and revisions. This class is a dual enrollment course, administered through the University of Texas at Austin. Prerequisites: English I and II. (03220300) (LEOD31) (EHS)

IB English III & IV, Grades 11-12, 2 Credits [International Baccalaureate]

In IB Language & Literature, students look at the world of literature, but they also study a wide range of non-literary texts from a variety of media. By examining how English is used across different literary forms, students investigate language and how it affects our everyday life, identity, and culture. This two-year course introduces the critical study and interpretation of written and spoken texts from a wide range of literary forms and non literary text-types. The formal analysis of texts is supplemented by awareness that meaning is not fixed but can change in respect to contexts of production and consumption.

4th English credit for English IV under Foundation Program and Foundation plus Endorsement Program

These two courses lead to the IB higher level examination in Language A1. (I3220600) (IENG31) (IENGL1) (I3220800) (IENG41) (IENGL2) (LHS)

English IV, Grade 12, 1 Credit [Regular]

4th English credit under Foundation Program and Foundation plus Endorsement Program

This course provides an integrated study of reading, writing, listening, speaking, oral and written conventions, and research with an emphasis on British literature. Students will study a wide variety of literary and informational texts; compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail; know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information; listen and respond to the ideas of others while contributing their own ideas in conversations and in groups; and learn how to use the oral and written conventions of the English language in speaking and writing. (03220400) (LENR41)

AP English IV Literature and Composition, Grade 12, 1 Credit [Advanced Placement] [Dual Credit]

4th English credit under Foundation Program and Foundation plus Endorsement Program

An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of how writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as the use of figurative language, imagery, symbolism, and tone. Writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. (A3220200) (LENH51) (03220400) (LEND41)

English for Speakers of Other Languages (ESOL) I & II, Grades 9-12, 1 Credit

This course is limited to immigrant students whose proficiency in English is limited as determined by the school's Language Proficiency Assessment Committee (LPAC). Non-immigrant students may take this class if their English Proficiency is "Beginner" as shown by TELPAS or "Negligible" or "Very Limited" on the Woodcock-Muñoz Language Survey Revised (WMLS-R) scores. It is highly recommended that students who score a one or two on the CALP Oral Language Total English part of the Woodcock-Muñoz Language Survey Revised (WMLS-R) be placed in ESOL I or II as recommended by the LPAC. Skills in listening, speaking, reading, writing, viewing, and representing will be developed according to each student's needs and abilities. The ESOL class is not a tutorial for other subjects. These courses may count only for English I and II credits required for graduation from a Texas high school. (03200600) (LSLE11) (03200700) (LSLE21)

ESL III, Grades 9-12, 1 Credit [Local Credit]

This course is an ESL support/intervention class for students who are still LEP and qualify for ESL services. Emphasis is on English reading and writing skills. This course is not for English credit, but to be taken along with an English course. Only local credit is given. (85000ELL) (LSLE31)

Humanities, Grades 11-12, 1 Credit [Regular] [Weighted Credit - Academic Decathlon]

4th English credit under Foundation Program and Foundation plus Endorsement Program

Humanities is an interdisciplinary course in which students recognize writing as an art form. This course includes the study of major historical and cultural movements and their relationship to literature and the other fine arts. Humanities is a rigorous course of study in which high school students respond to aesthetic elements in texts and other art forms through outlets such as discussions, journals, oral interpretations, and dramatizations. Students use written composition to show an in-depth understanding of creative achievements in the arts and literature and how these various art forms are a reflection of history. All students are expected to participate in classroom discussions and presentations that lead to an understanding, appreciation, and enjoyment of critical, creative achievements throughout history. Prerequisites: English I, II and III. (03221600) (LEMR41) (LEMH41)

Independent Study in English, Grades 10-12, 1/2-3 Credits [Weighted Credit]

4th English credit under Foundation Program and Foundation plus Endorsement Program

This course is an elective course corresponding to the changing topics of the Academic Decathlon/Octathlon contests. The focus of the courses is determined by the USAD materials and guidelines determined yearly. Students have the opportunity to gain in-depth information regarding a particular text. The courses are lecture and discussion based with a writing component. Students participating in these courses will have been selected to participate on the Academic Decathlon/Octathlon teams. Prerequisites: Successful completion of English I, II and III for 4th year English credit. (03221800) (LIND21) (03221810) (LIND31) (03221820) (LIND41)

Journalism - Advanced: Newspaper Production III, Grades 11-12, 1/2-1 Credit [Regular] [Weighted credit for students who completed Advanced Newspaper Production I & II]

4th English credit under Foundation Program and Foundation plus Endorsement Program

This course focuses on newspaper production with topics including editing, graphics, design, layout, and advertising. Prerequisite: instructor approval. (03230160) (LJNR41) (LJNH41)

Journalism - Advanced: Yearbook Production III, Grades 11-12, 1/2-1 Credit [Regular] [Weighted credit for students who completed Advanced Yearbook Production I & II]

4th English credit under Foundation Program and Foundation Program plus Endorsement Program

This course focuses on yearbook publication: graphics, design, layout, photography, magazine journalism techniques, advertising, budgets, and production. Prerequisite: instructor approval. (03230130) (LJYR41) (LJYH41)

Oral Interpretation III, Grades 10-12, 1/2-1 Credit

4th English credit under the Foundation Program and the Foundation plus Endorsement Program

In Oral Interpretation, students study the oral reading or performance of a literary text as a communication art. Students focus on intellectual, emotional, sensory, and aesthetic levels of texts to attempt to capture the entirety of the author's work. Individual or group performances of literature will be presented and evaluated. (03240400) (LCOR41)

PSAT/SAT Prep, Grades 10-11, 1/2-1 Credit [Weighted Credit]

This course focuses on the study of foundational and advanced concepts in reading, writing, and mathematics for the purpose of helping students achieve greater success on college entrance exams and in higher education contexts. Students can expect to improve in vocabulary, critical reading, writing, algebra, statistics, and other miscellaneous skills and strategies. Curriculum includes materials in which teachers have received specific training from Princeton Review. (N1290050) (LEBH20-21)

Public Speaking III, Grades 10-12, 1/2-1 Credit

4th English credit under Foundation Program and Foundation plus Endorsement Program

This course is a study of preparation of public speeches and includes concepts of rhetoric, topic selection, library and electronic research skills, organization of ideas, preparation and presentation, and delivery skills. (03241100) (LCSR41)

Reading I, II, III, Grades 9-12, 1/2-3 Credits

This course is designed for students with deficiencies in reading as evidenced on the state assessment. Prerequisite: Recommendation of English teacher. (03270700) (LRDB11) (03270800) (LRDB21) (03270900) (LRDB31)

Research and Technical Writing, Grades 10-12, 1/2-1 Credit [Regular] [Weighted Credit]

4th English credit under Foundation Program and Foundation plus Endorsement Program

This course is designed to improve skills in gathering information and putting information into written form. Emphasis is given to organizing material, interpreting data, using outlines, writing research papers and technical reports. (03221100) (LETR30) (LETR31) (LETH30) (LETH31)

Senior Seminar, Grade 12, 1 Credit

This course is designed to give students instruction for the four required components of Senior Project: the research paper, product, portfolio, and oral presentation. In addition, the course will include college and career preparation for all students and other information pertinent to seniors. Students will be given the opportunity to complete activities for post-secondary education, such as admissions applications, college essays, scholarship searches, financial aid and much more. (03221100) (LSSR41) (Talkington)

Senior Seminar, Grade 12, 1 Credit [Local Credit]

This course is designed to increase awareness about postsecondary options. Students will explore, plan and prepare for life after high school. Students will discover themselves by writing a personal statement, researching postsecondary institutions and career interests, and becoming financially aware of the costs related to continuing their education and ways to offset those costs as well as applying to colleges, scholarships and financial aid. (85000100) (LDSS41) (EHS)

IB Theory of Knowledge, Grades 11-12, 1 Credit [International Baccalaureate]

The course encourages students to apply knowledge from coursework and expects students to utilize an evaluative process for decision-making. An emphasis on thought in personal creativity and a review of literary responses to essential works will form the foundation for student inquiry and discussion. A research project integrating the readings from various disciplines and reflecting clarity of understanding of underlying philosophical concepts will be expected. The course fulfills the Theory of Knowledge requirement for the IB Diploma and is limited to Full Diploma Candidates who have met all other diploma requirements. Students may be removed from the class if the requirements are no longer met. Available spring semester junior year and fall semester senior year. Prerequisite: Declared and approved IB Diploma Candidate. (N1290322) (ITOK31) (ITOK41) (LHS)

SCIENCE

IB Anatomy and Physiology HL, Grades 11-12, 2 Credits [International Baccalaureate]

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

This is a second-year course that focuses on Human Anatomy and Physiology. Anatomical structure of the human body will be explored in depth as well as the homeostatic regulating mechanisms that keep the body functioning properly. Students will be required to do a major project with other IB Science students and keep an extensive portfolio of laboratory work. With the completion of this course, students will take the IB Biology higher level examination. Prerequisite: Biology IB. (I3010202) (IANP41) (IANPL2) (LHS)

Aquatic Science, Grades 10-12, 1 Credit

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

In this course, students will conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Topics include components of an aquatic ecosystem, relationships among aquatic habitats and ecosystems, roles of cycles within an aquatic environment, adaptations of aquatic organisms, changes within aquatic environments, geological phenomena, fluid dynamics effects, and origin and use of water in a watershed. (03030000) (SMSR41)

Astronomy, Grades 10-12, 1 Credit

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

In Astronomy, students conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study astronomy in civilization, patterns and objects in the sky, our place in space, the moon, and reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Students will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical-thinking skills. (03060100) (SASR31)

Biology, Grades 9-12, 1 Credit [Regular] [Pre-AP]

In this course students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; and ecosystems and the environment. (03010200) (SBIR21) (SBPH21)

AP Biology, Grades 10-12, 1 Credit [Advanced Placement] [Dual Credit]

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

This is a college-level introductory biology course recommended for all students who are preparing for careers in medicine or the biological sciences. The course will cover three general areas of study: molecules and cells (chemistry, cells, cellular energetics), heredity and evolution (heredity, molecular genetics, evolutionary biology), and organisms and populations (diversity of organisms, structure and function of plants and animals, ecology). Prerequisites: Biology and Chemistry or concurrently enrolled in Chemistry. (A3010200) (SBIH31) (IHE11200) (SBID31)

OnRamps Biology, Grades 10-12, 1 Credit [Dual Enrollment]

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

This college-level course will cover the fundamental principles of Biology with an emphasis on molecular and cellular biology. The course covers the study of the structure and function of biomolecules, the flow of energy through living systems via photosynthesis and cellular respiration, and investigation of how genetic information is expressed and transmitted within and between cells. This class is a dual-enrollment course administered through the University of Texas at Austin. Prerequisites: Biology and Chemistry (IHE11200) (SBIH51)

IB Biology, Grades 11-12, 2 Credits [International Baccalaureate]

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

The first course of a two-year sequence for IB Biology higher level. This course includes an in-depth exploration of topics such as cytology, biochemistry, cellular energetics, genetics, molecular biology, evolution, ecology and a survey of organisms and populations. Students will be required to do a major project with other IB Science students and keep an extensive portfolio of laboratory work. Prerequisite: Biology I Pre-AP and Chemistry or concurrently enrolled in Chemistry. (I3010201) (IANP31) (IANPL1) (LHS)

Chemistry, Grades 10-12, 1 Credit [Regular] [Pre-AP]

2nd or 3rd science credit under the Foundation Program

2nd, 3rd or 4th science credit under the Foundation plus Endorsement Program

In this course students conduct laboratory and field investigations using scientific methods and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Prerequisite: Algebra I (03040000) (SCMR31) (SCMH31)

AP Chemistry, Grades 11-12, 1 Credit [Advanced Placement]

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

This is a college-level course that will cover the fundamental principles of chemistry with an emphasis on the structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, and thermodynamics in depth. Grade restriction can be adjusted with special permission. Prerequisite: Chemistry (A3040000) (SCMH51)

OnRamps Chemistry I, Grades 10-12, 1 Credit [Dual Enrollment]

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

This is a college-level course that will cover the fundamental principles of chemistry with an emphasis on the structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, and thermodynamics in depth. This class is a dual enrollment course, administered through the University of Texas at Austin. Prerequisite: Algebra I and Chemistry equivalent (IHE11200) (SCMH61)

OnRamps Chemistry II, Grades 11-12, 1 Credit [Dual Enrollment]

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

This college-level course extends the study of thermodynamics to the development of chemical equilibria and kinetics with applications to water chemistry and electro chemistry. Students will explore the workings of the material world through introduction to nuclear chemistry, battery technology, polymer chemistry and applications in organic chemistry and biochemistry. This is a dual enrollment course, administered through the University of Texas at Austin. Grade restriction can be adjusted with special permission. Prerequisite: OnRamps Chemistry I or AP Chemistry (IHE11200) (SCMH71)

IB Chemistry SL, Grades 11-12, 2 Credits [International Baccalaureate]

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

This one-year course will review and expand on topics from Chemistry I Pre-AP. Equilibrium, Electrochemistry, Nuclear Chemistry Environmental Chemistry, and Organic Chemistry will also be covered. An extensive lab program will be carried out and documented. Students will prepare an extended project. Students can expect to spend at least three hours per week in homework and lab preparation. This course leads to the IB standard level examination in Chemistry. Prerequisite: Chemistry Pre-AP. (I3040002) (ICHM31) (ICHML1) (LHS)

IB Chemistry HL, Grades 11-12, 2 Credits [International Baccalaureate]

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

This course is designed to prepare the student for the IB Chemistry higher level exam. HL students study topics in greater detail, study additional topics, and study options in greater depth. Options include modern analytical chemistry, human biochemistry, chemistry in industry and technology, medicine and drugs, environmental chemistry, food chemistry, and further organic chemistry. The student will participate in the Group 4 Project. Prerequisites: IB Chemistry SL, and Algebra II. (I3040003) (ICMH41) (ICHML2) (LHS)

Earth Systems Science, Grades 10-12, 1 Credit

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

The Earth Systems Science course is designed to build on students' prior scientific and academic knowledge and skills to develop their understanding of Earth's systems. These systems (the atmosphere, hydrosphere, geosphere, and biosphere) interact through time to produce the Earth's landscapes, climate, and resources. Students will explore the geologic history of individual dynamic systems through the flow of energy and matter, their current states, and how these systems affect and are affected by human use (03060150) (SEAR41)

AP Environmental Science, Grades 10-12, 1 Credit [Advanced Placement]

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

This is a college-level introductory environmental science course recommended for all students who are preparing for careers in ecology and the environment. Prerequisites: Algebra I and two years of high school science including one year of a life science and one year of a physical science. (A3020000) (SESH31)

Environmental Systems, Grades 10-12, 1 Credit

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

In this course students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments. (03020000) (SESR31)

OnRamps Geoscience, Grades 10-12, 1 Credit [Weighted Credit] [Dual Enrollment]

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

Geoscience is a capstone course designed to build on students' prior scientific and academic knowledge and skills to develop an understanding of Earth's systems in space and time. Students spend time studying the geosphere, hydrosphere, and atmosphere systems. Students will focus on how these systems interact with each other and how they interact with the biosphere. Students will investigate how the Earth is part of the much larger solar and stellar systems. This class is a dual enrollment course administered through the University of Texas at Austin. (03060150) (SEAH41) (SEAD41)

Integrated Physics and Chemistry, Grades 9-12, 1 Credit

In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: motion, waves, energy transformations, properties of matter, changes in matter, and solution chemistry. (03060201) (SPSR11)

Physics, Grades 10-12, 1 Credit [Regular]

2nd or 3rd science credit under the Foundation Program

2nd, 3rd, or 4th science credit under the Foundation plus Endorsement Program

In Physics, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: law of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics: characteristics and behavior of waves; and atomic, nuclear and quantum physics.

Students will practice experimental design and interpretation and develop critical thinking skills. Prerequisites: One year of science, Algebra I and concurrent enrollment in a second year of math. (03050000) (SPYR41)

OnRamps Physics, Grades 10-12, 1 Credit [Weighted Credit] [Dual Enrollment]

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

This course is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics, energy, momentum, rotational motion, gravity, solids and fluids, waves and sound, thermal physics, thermal energy and laws of thermodynamics. This class is a dual enrollment course administered through the University of Texas at Austin. Prerequisite: Geometry and Algebra II (or concurrent enrollment). (03050000) (SPYH51)

AP Physics I, Grades 10-12, 1 Credit [Advanced Placement] [Dual Credit]

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

This course is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics, work, energy, power, mechanical waves, sound, and electric circuits. Grade restrictions can be adjusted with special permission. Prerequisite: Geometry. (A3050003) (SPYH81) (SPYD41)

AP Physics II, Grades 11-12, 1 Credit [Advanced Placement]

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

This course is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics, thermodynamics, electricity and magnetism, optics, and atomic and nuclear physics. Prerequisites: AP Physics I and Precalculus or concurrently enrolled in Precalculus. (A3050004) (SPYH91) (SPYD51)

AP Physics C, Grades 11-12, 1 Credit [Advanced Placement] [Dual Credit]

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

This is a college-level course designed to prepare a student for study in engineering or other physical science disciplines. The class is divided by semester into mechanics and electromagnetism. Many of the concepts covered will require differential or integral calculus. Prerequisite: Calculus or concurrently enrolled in Calculus. (A3050005) (SPYH71) (IHE11200) (SPYD51)

IB Physics I SL, Grades 11-12, 2 Credits [International Baccalaureate]

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

IB Physics I is designed to meet the specifications of the IB Physics program. It offers a combination of lecture/laboratory environment to teach the basic concepts of physics, the topics of mechanics, thermal physics, waves, electricity and magnetism. Prerequisite: Algebra I, one unit of high school science, and completion of, or concurrent enrollment in, a second year of mathematics. (I3050002) (IPHY41) (LHS)

IB Physics II HL, Grades 11-12, 2 Credits [International Baccalaureate]

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

IB Physics II offers the opportunity for the student to get a more in-depth look at the topics discussed in IB Physics I with the addition of astrophysics, special and general relativity, and historical physics. An extended group project will allow the students to experience scientific research first hand. Prerequisite: IB Physics I. (I3050003) (IPHY51) (LHS)

IB Sports Exercise and Health Science Grades 11-12, 1 Credit [Regular]

Sports, exercise and health science (SEHS) is an experimental science course combining academic study with practical and investigative skills. The course incorporates the disciplines of anatomy and physiology, biomechanics, psychology and nutrition. The course offers a deeper understanding of the issues related to sports, exercise and health in the 21st century and addresses the international dimension and ethics related to both the individual and global context. (I3060001) (ISEH11) (CHS)

CAREER & TECHNICAL EDUCATION (CTE) SCIENCE COURSES

Anatomy and Physiology, Grades 11-12, 1 Credit [Regular-HS Campus] [Weighted Credit-ATC]

This course satisfies a science credit requirement for students on the Foundation High School Program.

Students conduct laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Prerequisites: Biology and on additional science course (IPC, Physics or Chemistry) or currently enrolled in a lab science. (13020600) (YSAR11-HS Campus) (YSAH11-ATC)

Engineering Science, Grades 10-12, 1 Credit [Weighted Credit]

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

This survey course exposes students to concepts they will encounter in a postsecondary engineering course of study. Topics include mechanisms, energy, statics, materials, and kinematics. Students develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions. Prerequisites: Algebra I and Biology, Chemistry, IPC, or Physics. Recommended prerequisites: Introduction to Engineering Design and Geometry. (13037500) (YGDH21)

Forensic Science, Grades 11-12, 1 Credit [Weighted Credit]

This course satisfies a science credit requirement and is recommended for all Law Enforcement students.

This course uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science. Prerequisites: Biology and Chemistry. (13029500) (YLFH11)

Pathophysiology, Grades 11-12, 1 Credit [Weighted Credit]

3rd science credit under the Foundation Program

3rd or 4th science credit under the Foundation plus Endorsement Program

Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease, causes, signs and symptoms, and diagnostic tests. Students will differentiate between normal and abnormal physiology. Prerequisites: Biology, Chemistry, and at least one Level 2 Health Science Course. (13020800) (YSPH11) (ATC)

SOCIAL STUDIES

AP Comparative Government, Grades 11-12, 1/2 Credit [Advanced Placement]

This course provides an opportunity to study the United States political system and compare and contrast it with the governments of several European, Asian, African, and South American countries. Studies will include analysis of political institutions, political values and processes as well as the structure and function of the government on both local and national levels. Attention will be paid to cultural influences on political systems, and emphasis will be given to how these foreign political systems compare and contrast with the United States political system. Prerequisite: World Geography or World History and United States History Since Reconstruction. (A3330200) (TACG40)

AP Comparative Government and Macroeconomics Combo, Grades 11-12, 1 Credit [Advanced Placement]

This course provides an opportunity to study the United States political system alongside a thorough investigation of the principles of economics that apply to the U.S. economic system as a whole. Students will compare and contrast United States political and economic systems with several European, Asian, African, and South American countries. Studies will include analysis of political institutions, political values and processes as well as the structure and function of the government on both local and national levels, and the cultural influences on political system. A particular emphasis is placed on the study of national income and price-level determination, and students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics is also developed. Prerequisite: World Geography or World History and United States History Since Reconstruction. (A3330200) (TACG40) (A3310200) (TMEH40)

Economics with Emphasis on Free Enterprise System and its Benefits, Grades 11-12, 1/2 Credit [Regular]

This is a survey course of general economic principles. Students will study the production, distribution, and consumption of wealth and learn how different societies deal with the problem of scarcity. Content will also focus on the structure of a free enterprise system and the role of government within the economy of the United States. Prerequisite: World Geography or World History and United States History Since Reconstruction. (03310300) (TECR40)

Personal Financial Literacy and Economics Grades 11-12, 1/2 Credit [Regular]

The Personal Financial Literacy and Economics Course emphasizes the economic way of thinking, which serves as a framework for the personal financial decision-making opportunities introduced in the course. Students will demonstrate the ability to anticipate and address financial challenges as these challenges occur over their lifetime. In addition, students are introduced to common economic and personal financial planning terms and concepts. As a result of learning objective concepts and integrating subjective information, students gain the ability to lead productive and financially self-sufficient lives. This course satisfies the high school requirement and meets the two-thirds of instructional time in personal financial literacy and one-third of instructional time in economics. In addition, the course addresses new financial challenges of modern economy. (03380083) (TECR40)

AP European History, Grades 10-12, 1/2 or 1 Credit [Advanced Placement]

This course is designed to complement English IV AP (world literature). The content will cover European history in its global context from 1450 through modern times. Students will study the historical, political, economic, social, intellectual, and cultural developments of Europe through a humanities approach. In addition, students will review the classical civilizations of ancient Greece and Rome. This course may not be used as a substitute for World History or World Geography Studies. Prerequisite: World Geography, AP Human Geography, World History or AP World History. (A3340200) (TAHH31)

IB History of the Americas/20th Century World Topics, Grades 11-12, 2 Credits [International Baccalaureate]

IB History of the Americas is the first year of a two-year program in history. Some of the topics include the wars of independence and revolution, the search for equality, the fight for political participation of all individuals, foreign diplomacy, demographic shifts, world wars, popular culture changes, and changes in technology that

have impacted society. The history of the United States will be a major emphasis, but the histories of Canada and Latin America will also be considered. The course will enhance writing skills, as historical writing is a focus of this course. Prerequisite: Admission to the IB diploma program. (13301300) (IHAM31)

The 20th Century World Topics course is the second year course needed to complete a two-year IB curriculum in advanced historical studies. This course will focus on the 20th century and give special emphasis to topics such as the causes, practices, and effects of war, nationalist and independence movements, the rise and rule of single party states and the Cold War. These two courses lead to the higher level examination in History of the Americas. Prerequisite: IB History of the Americas. (13301500) (IWOR41) (LHS)

AP Human Geography, Grades 9-12, 1 Credit [Advanced Placement]

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Experience with reading and comprehending college-level text is beneficial. Summer course work is required at some campuses (refer to school home page). Previous Pre-AP courses are highly recommended. (A3360100) (TWAG21)

AP Macroeconomics, Grades 11-12, 1/2 Credit [Advanced Placement] [Dual Credit]

This course provides students with thorough understanding of the principles of economics that apply to an economic system as a whole. A particular emphasis is placed on the study of national income and price-level determination. Students will be introduced to economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. (A3310200) (TMEH40) (03310300)(TMED40)

Psychology, Grades 10-12, 1/2 Credit [Regular] [Dual Credit] [Advanced Placement]

The course content is designed to give students some insights into human behavior, such as factors involved in learning, analysis of behavior patterns which influence human behavior and adjustment to the social environment or cultural group to which they belong. (03350100) (TPSR30) (TPSH30) (A3350100) (TPHS40)

IB Psychology I and II, Grades 11-12, 2 Credits [International Baccalaureate]

This course examines the interaction of biological, cognitive, and sociocultural influences on human behavior, thereby adopting an integrative approach. The course includes abnormal psychology, developmental psychology, health psychology, psychology of human relations, and sports psychology. It also includes qualitative research and a simple experimental study. It is one year in length and the student will be prepared for the IB Psychology SL exam. (I3304100) (IPSY31) (I3304200) (IPSY41) (LHS)

Sociology, Grades 10-12, 1/2 Credit [Regular]

The course provides an opportunity for systematic study of individuals, groups, and social institutions. Content includes such concepts as social stratification and mobility; cultural conflict, change, and contact; the structure and function of social institutions; and the role of mores, traditions, and folkways in a society. (03370100) (TSOR30) (TSOH30) (Talkington)

Special Topics in Social Studies (Academic Decathlon), Grades 11-12, 1/2 Credit [Weighted Credit]

This course is an elective course corresponding to the changing topic of the Academic Decathlon contest each year. The focus of the course is determined by the USAD materials and guidelines determined yearly. Students have the opportunity to gain in-depth information regarding a particular emphasis in U.S. or a global historical theme. The course is lecture and discussion based with a writing component. Students participating in this course will have been selected to participate on the Academic Decathlon team. (03380002) (TSSA10)

Special Topics in Social Studies: EOC U.S. History I, Grades 11-12, 1/2 Credit

This course is designed to survey and review all topics previously taught in on-level United States History since Reconstruction, in order to prepare for fall EOC administration. The course continues the focus on the history, geography, and political and economic growth of the nation. Students study the emergence of the United States as a world power, how geography influences historical developments, economic development and growth, social and cultural developments, and political development of the United States since Reconstruction. (03380002) (TEOC10)

Special Topics in Social Studies: EOC U.S. History II, Grades 11-12, 1/2 Credit

This course provides a second opportunity for students who have not yet passed the U.S. History EOC to receive further instruction and review prior to the spring EOC administration. The course continues the focus on the history, geography, and political and economic growth of the nation. Students study the emergence of the United States as a world power, how geography influences historical developments, economic development and growth, social and cultural developments, and political development of the United States since Reconstruction. (03380022) (TEOC20)

Special Topics in Social Studies: Practical Law, Grades 10-12, 1/2 Credit [Regular] [Weighted Credit]

The course focuses on criminal and civil law, complexities of legal and political issues, the value of the democratic process, and the gap between the ideals and realities of the political and legal system. The course is designed to help students develop individual responsibility in perpetuating the democratic process in our legal system. Students who enroll in the course should be proficient in locating and organizing data independently, in applying critical thinking skills to issues, in participating in group activities and discussion, in using a variety of data-gathering techniques, and in practicing leadership skills. (03380002) (TSSR40) (TSSH40) (Mock Trial) (03380022) (TSSH50) (03380032) (TSSH60) (03380042) (TSSH70)

Special Topics in Social Studies: Texas Politics and Topics, Grades 11-12 [Dual Credit]

Students will study the structure and powers of all state and local government, federalism, political process, culture, and policy in Texas and other topics in political science. (03380032) (TTXH40) (EHS)

Special Topics in Social Studies: World Civilizations, Grades 10-12, 1/2 Credit [Weighted Credit] [Dual Credit]

This course is a historical survey of ancient, medieval, and modern civilizations of the world with an emphasis on Latin American, African, Asian, and European cultures. Students will examine in greater depth the geographic, cultural, and religious influences on humankind from the dawn of man to the present. The course is lecture and discussion based, with a heavy writing component. There is no AP test directly associated, but this course will assist students in preparing for the AP World History exam. (03380002) (TWSR41) (TWSD41)

United States Government, Grades 11-12, 1/2 Credit [Regular] [Dual Credit] [Advanced Placement]

This course provides an opportunity to study in depth the foundation of the United States political system; to analyze the political institutions, processes, and values of the system; to trace the development of the United States governmental system; and to analyze the structure and functions of government on local, state, and federal levels. The content focuses on an analysis of historic documents associated with the political development of the United States and on students' participation and decision-making in civic affairs. Prerequisite: World Geography or World History and United States History Since Reconstruction. (03330100) (TAGR40) (TAGD40) (A3330100) (TAGH40)

United States History since Reconstruction, Grades 10-11, 1 Credit [Regular]

The second year of study of United States history includes significant individuals, issues, and events from Reconstruction to the present. The course continues the focus from grade 8 on the history, geography, and political and economic growth of the nation. Students study the emergence of the United States as a world power, how geography influences historical developments, economic development and growth, social and cultural developments, and political development of the United States from Reconstruction to the present. Prerequisite: World Geography or World History (03340100) (TAMR31)

AP United States History, Grades 10-11, 1 Credit [Advanced Placement] [Dual Credit]

In this course students are taught to think critically about the issues that have confronted and influenced the United States through a process that integrates the examination of factual knowledge, the development and application of analytic skills, and the assessment of primary and secondary sources. Students will examine the development of the American republic from the initial European incursions into North America to the present. The course is divided into periods of time. (A3340100) (TAMH31) (03340100) (TAMD31)

World Geography Studies, Grades 9-12, 1 Credit [Regular]

Students study the interaction of people and their physical environments in the major areas of the world. Content introduces the student to the world of geographers, their unique vocabulary, tools, and methodologies, the

physical setting of the earth, different landforms and regions of the world, people and geography impact each other, and techniques of urban analysis. (03320100) (TWGR11)

World History Studies, Grades 9-12, 1 Credit [Regular]

This course content includes the development of early civilizations, western civilization, and other world regions from their early days to the present. The course provides students the opportunity to compare and analyze various ways of life and cultural patterns that reflect the diversity and commonality of human experiences and the understanding of how these patterns occur. Geographic influences on world history are a part of the study. (03340400) (TWHR11)

AP World History, Grades 9-12, 1 Credit [Advanced Placement]

The students will develop greater understanding of the evolution of global process and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies, and emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. (A3370100) (TWAH21)

FINE ARTS

DANCE

Dance I, Grades 9-12, 1/2-1 Credit (03830100) (PPDR11)

Dance II, Grades 10-12, 1/2-1 Credit (03830200) (PPDR21)

Dance III, Grades 11-12, 1/2-1 Credit (03830300) (PPDR31)

Dance IV, Grade 12, 1/2 1 Credit (03830400) (PPDR41)

In Dance I-IV, students will dig deep into the purpose and technicality of several styles of dance. In addition, students will focus on perception of body movement, artistic expression and performance, historical and cultural relevance, and critical evaluation. All high school dance courses are held at the Ballet Lubbock Studios. Bus transportation is provided to and from the facility daily. Students will be evaluated by staff at the beginning of each year and placed in classes with others of like ability, skillset, experience, etc. Students are required to attend all sectionals, performances, and other scheduled rehearsals outside of the school day. Prerequisite: Previous dance experience recommended (EHS) (LHS) (CHS) (MHS) (THS)

Folklorico I, Grades 9-12, 1/2-1 Credit (03832100) (PFLR11)

Folklorico II, Grades 10-12, 1/2-1 Credit (03832200) (PFLR21)

Folklorico III, Grades 11-12, 1/2-1 Credit (03832300) (PFLR31)

Folklorico IV, Grades 9-12, 1/2-1 Credit (03832400) (PFLR41)

Students will gain experience in the dance techniques of Mexican Folklore, focusing mostly on the state of Jalisco, Mexico. Students will focus on perception of body movement, artistic expression and performance, historical and cultural relevance, and critical evaluation. Students are required to attend all sectionals, performances, and other scheduled rehearsals outside of the school day. Participation in public performances is required as well as the purchase of their own folkloric shoes. This course may be repeated for credit. Prerequisite: Instructor approval (LHS)

High School Dance Course Map

Grade 9

Dance I

Grades 9-12
PREREQUISITE: See
Course Descriptions.
(EHS, LHS)

Folklorico I

Grades 9-12
PREREQUISITE: See
Course Descriptions.
(LHS)

Grade 10

Dance II

Grades 10-12
PREREQUISITE: *Dance I*
or *Instructor Approval.*
(EHS, LHS)

Folklorico II

Grades 10-12
PREREQUISITE: *Folklorico I*
or *Instructor Approval.*
(LHS)

Grade 11

Dance III

Grades 11-12
PREREQUISITE: *Dance II*
or *Instructor Approval.*
(EHS, LHS)

Folklorico III

Grades 11-12
PREREQUISITE: *Folklorico II*
or *Instructor Approval.*
(LHS)

Grade 12

Dance IV

Grade 12
PREREQUISITE: *Dance III*
or *Instructor Approval.*
(EHS, LHS)

Folklorico IV

Grades 11-12
PREREQUISITE: *Folklorico III*
or *Instructor Approval.*
(LHS)

MUSIC

Applied Music I, Grades 9-12, 1/2-1 Credit (03152500) (NPLR11)

Applied Music II, Grades 9-12, 1/2-1 Credit (03152600) (NPLR21)

Applied Music III, Grades 9-12, 1/2-1 Credit (03152601) (NPLR31)

Applied Music IV, Grades 9-12, 1/2-1 Credit (03152602) (NPLR41)

Designed for students who desire a more individual approach. Applied Music students develop their intellect and refine their emotions, understanding the cultural and creative nature of musical artistry and making connections among music, the other arts, technology, and other aspects of social life. This course is self-paced under the guidance of a director and caters to the self-motivated student. This class provides students the opportunity to receive individual instruction in preparation for UIL and TMEA competitions. Curriculum will be individualized to student needs and goals. Prerequisite: Concurrent enrollment in band, choir, or orchestra and with director approval.

AP Music Theory, Grades 10-12, 1 Credit [Advanced Placement]

This course is designed to focus on advanced aural and written musical skills. Material covered is typically taught at a college freshman level. Students planning to study music at the college level will find this in-depth study and preparation essential. The expected outcome of this course is to prepare students for success on the Advanced Placement Music Theory exam. Prerequisite: Two years of experience in band, orchestra, choir, mariachi, or piano and Instructor approval. (A3150200) (NTHR21)

IB Music SL, Grades 11-12, 2 Credits [International Baccalaureate]

This course is for the serious IB music student. This course gives students the opportunity to explore the diversity of music from different parts of the world. Students will be expected to demonstrate the use of appropriate musical language and terminology to describe and reflect their critical understanding of music; the development of perceptual skills in response to music; knowledge and understanding of music in relation to time and place. In addition, standard level candidates will be expected to demonstrate one of the following: development of their performance skills through solo or ensemble music making, or development of their compositional skills through exploration and investigation of musical elements. Prerequisite: Previous musical experience in band, choir, or orchestra and an IB diploma candidate. (I3250200) (IMUS31) (IMUL31) (LHS)

IB Music HL, Grade 12, 2 Credits [International Baccalaureate]

This advanced music course is the second year of a two-year program. Students will continue their investigation of a range of musical examples chosen to develop their aural perception. Students will learn about musical structure, function and expressive character; musical elements: melody, harmony, rhythm, texture, tone color; musical terminology and notations; and historical and cultural contexts. Students will be expected to demonstrate: development of their performance skills through solo music making; development of their compositional skills through exploration and investigation of musical elements; use of appropriate musical language and terminology to describe and reflect their critical understanding of music; development of perceptual skills in response to music; and knowledge and understanding of music in relation to time and place. Prerequisite: IB Music SL and an IB diploma candidate. (I3250300) (IMUS41) (IMUL41) (LHS)

BAND

Concert Band I, Grade 9, 1/2-1 Credit (03150100) (NCRR11)

Concert Band II, Grade 10, 1/2-1 Credit (03150200) (NCRR21)

Concert Band III, Grade 11, 1/2-1 Credit (03150300) (NCRR31)

Concert Band IV, Grade 12, 1/2-1 Credit (03150400) (NCRR41)

This course is designed for students with entry level wind, brass, and percussion instrumental skills. Students will focus on music literacy, creative expression, historical and cultural relevance, and critical evaluation and response of performance. In addition to working as a singular group for concerts and UIL Concert and Sight Reading Evaluation, this ensemble performs collectively with the entire band program for such events as football games, pep assemblies, parades, marching contests, and other festivals as deemed appropriate by the director. Students are required to attend all sectionals, performances, and other scheduled rehearsals outside of the school day. Members are strongly encouraged to participate in All-Region auditions and UIL Solo and Ensemble. Prerequisite: (Auditioned) Enrollment with director approval.

Symphonic Band I, Grade 9, 1/2-1 Credit (03150100) (NSYR11)
Symphonic Band II, Grade 10, 1/2-1 Credit (03150200) (NSYR21)
Symphonic Band III, Grade 11, 1/2-1 Credit (03150300) (NSYR31)
Symphonic Band IV, Grade 12, 1/2-1 Credit (03150400) (NSYR41)

This course is designed for students with intermediate wind, brass, and percussion instrumental skills. Students will focus on music literacy, creative expression, historical and cultural relevance, and critical evaluation. In addition to working as a singular group for concerts and UIL Concert and Sight Reading Evaluation, this ensemble performs collectively with the entire band program for such events as football games, pep assemblies, parades, marching contests, and other festivals. Students are required to attend all sectionals, performances, and other scheduled rehearsals outside of the school day. Members are encouraged to participate in All-Region auditions and UIL Solo and Ensemble. Prerequisite: (Auditioned) Enrollment with director approval.

Wind Ensemble I, Grade 9, 1/2-1 Credit (03150100) (NBIR11)
Wind Ensemble II, Grade 10, 1/2-1 Credit (03150200) (NBIR21)
Wind Ensemble III, Grade 11, 1/2-1 Credit (03150300) (NBIR31)
Wind Ensemble IV, Grade 12, 1/2-1 Credit (03150400) (NBIR41)

This course is designed for students with advanced wind, brass, and percussion instrumental skills. Students will focus on music literacy, creative expression, historical and cultural relevance, and critical evaluation. In addition to working as a singular group for concerts and UIL Concert and Sight Reading Evaluation, this ensemble performs collectively with the entire band program for such events as football games, pep assemblies, parades, marching contests, and other festivals. Students are required to attend all sectionals, performances, and other scheduled rehearsals outside of the school day. Members are encouraged to participate in All-Region auditions and UIL Solo and Ensemble. Prerequisite: (Auditioned) Enrollment with director approval.

Color Guard I, Grade 9, 1/2-1 Credit (03150100) (NBCG11)
Color Guard II, Grade 10, 1/2-1 Credit (03150200) (NBCG21)
Color Guard III, Grade 11, 1/2-1 Credit (03150300) (NBCG31)
Color Guard IV, Grade 12, 1/2-1 Credit (03150400) (NBCG41)

This course is for students to participate in band as a color guard member. Students will focus on performance skills, body movement, and various flag techniques. In addition to working as a singular group for fall and spring competitions, this group performs collectively with the marching band program for such events as football games, pep assemblies, parades, marching contests, and other festivals. Students are required to attend all sectionals, performances, and other scheduled rehearsals outside of the school day. Previous experience in dance or gymnastics is recommended. Prerequisite: (Auditioned) Enrollment with director approval.

Jazz Band Intermediate I, Grades 9-12, 1/2-1 Credit (03151300) (NSBR11)
Jazz Band Intermediate II, Grades 10-12, 1/2-1 Credit (03151400) (NSBR21)
Jazz Band Intermediate III, Grades 11-12, 1/2-1 Credit (03151500) (NSBR31)
Jazz Band Intermediate IV, Grade 12, 1/2-1 Credit (03151600) (NSBR41)

This intermediate course is designed for students with advanced instrumental skills centered in the medium of modern jazz music. Students will focus on music literacy, creative expression, historical and cultural relevance, and critical evaluation and response of performance. In addition to participating in UIL events, this ensemble performs for multiple community events and other festivals as deemed appropriate by the director. Students are required to attend all sectionals, performances, and other scheduled rehearsals outside of the school day. Prerequisite: (Auditioned) Enrollment with director approval. Concurrent enrollment in band or orchestra.

Jazz Band Advanced I, Grades 9-12, 1/2-1 Credit (03151300) (NSBR51)
Jazz Band Advanced II, Grades 10-12, 1/2-1 Credit (03151400) (NSBR61)
Jazz Band Advanced III, Grades 11-12, 1/2-1 Credit (03151500) (NSBR71)
Jazz Band Advanced IV, Grade 12, 1/2-1 Credit (03151600) (NSBR81)

This advanced course is designed for students with advanced instrumental skills centered in the medium of modern jazz music. Students will focus on music literacy, creative expression, historical and cultural relevance, and critical evaluation and response of performance. In addition to participating in UIL events, this ensemble performs for multiple community events and other festivals as deemed appropriate by the director. Students are required to attend all sectionals, performances, and other scheduled rehearsals outside of the school day. Prerequisite: (Auditioned) Enrollment with director approval. Concurrent enrollment in band or orchestra.

Percussion I. Grade 9, 1/2-1 Credit (03150100) (NPBR11)

Percussion II. Grade 10, 1/2-1 Credit (03150200) (NPBR21)

Percussion III. Grade 11, 1/2-1 Credit (03150300) (NPBR31)

Percussion IV. Grade 12, 1/2-1 Credit (03150400) (NPBR41)

This course is designed for students specializing in percussion. Students will focus on music literacy, creative expression, historical and cultural relevance, and critical evaluation. In addition to working as a singular group for concerts and competitions, all members of this ensemble perform in traditional band settings such as UIL Concert and Sight Reading, marching band, football games, pep assemblies and other festivals. Students are required to attend all sectionals, performances, and other scheduled rehearsals outside of the school day. Members are encouraged to participate in All-Region auditions and UIL-Solo and Ensemble. Prerequisite: (Auditioned) Enrollment with director approval.

CHOIR

Treble Choir I, Grade 9, 1 Credit (03150900) (NCTR11)

Treble Choir II, Grade 10, 1 Credit (03151000) (NCTR21)

Treble Choir III, Grade 11, 1 Credit (03151100) (NCTR31)

Treble Choir IV, Grade 12, 1 Credit (03151200) (NCTR41)

This treble choir is for students with entry level skills in choral singing and sight-reading. Students will focus on the development of music literacy, creative expression, historical and cultural relevance, and critical evaluation and response of performance. Participation in concert programs and UIL Concert and Sight-Reading Evaluations is required to fulfill all course objectives. After school rehearsals are required based on program scheduling. Members are encouraged to participate in All-Region auditions and UIL Solo and Ensemble. This is a full year course. Prerequisite: Director placement required.

Concert Treble Choir I, Grade 9, 1 Credit (03150900) (NCTR11)

Concert Treble Choir II, Grade 10, 1 Credit (03151000) (NCTR21)

Concert Treble Choir III, Grade 11, 1 Credit (03151100) (NCTR31)

Concert Treble Choir IV, Grade 12, 1 Credit (03151200) (NCTR41)

This treble choir is for students with intermediate skills in choral singing and sight-reading. Students will focus on the continued development of music literacy, creative expression, historical and cultural relevance, and critical evaluation and response of performance. Participation in concert programs and UIL Concert and Sight-Reading Evaluations is required to fulfill all course objectives. After school rehearsals are required based on program scheduling. Members are strongly encouraged to participate in All-Region auditions and UIL Solo and Ensemble. This is a full year course. Prerequisite: (Auditioned) Enrollment with director approval.

Concert Tenor-Bass Choir I, Grade 9, 1 Credit (03150900) (NCOR11)

Concert Tenor-Bass Choir II, Grade 10, 1 Credit (03151000) (NCOR21)

Concert Tenor-Bass Choir III, Grade 11, 1 Credit (03151100) (NCOR31)

Concert Tenor-Bass Choir IV, Grade 12, 1 Credit (03151200) (NCOR41)

This tenor-bass choir is for students with entry level or intermediate skills in choral singing and sight-reading. Students will focus on the development of music literacy, creative expression, historical and cultural relevance, and critical evaluation and response of performance. Participation in concert programs and UIL Concert and Sight-Reading Evaluations is required to fulfill all course objectives. After school rehearsals are required based on program scheduling. Members are strongly encouraged to participate in All-Region auditions and UIL Solo and Ensemble. This is a full year course. Prerequisite: Director placement required.

Mixed Choir II, Grade 10, 1 Credit (03151000) (NCMR21)

Mixed Choir III, Grade 11, 1 Credit (03151100) (NCMR31)

Mixed Choir IV, Grade 12, 1 Credit (03151200) (NCMR41)

This mixed choir is for students with advanced skills in choral singing and sight-singing. Students will continue to focus on music literacy, creative expression, historical and cultural relevance, and critical evaluation and response of performance. Participation in concert programs and UIL Concert and Sight-Reading Evaluations is required to fulfill all course objectives. After school rehearsals are required based on program scheduling. Members are strongly encouraged to participate in All-Region auditions and UIL Solo and Ensemble. This is a full year course. Prerequisite: (Auditioned) Enrollment with director approval.

Show/Jazz Choir I, Grade 9, 1 Credit (03152100) (NCSR11)
Show/Jazz Choir II, Grade 10, 1 Credit (03152200) (NCSR21)
Show/Jazz Choir III, Grade 11, 1 Credit (03152300) (NCSR31)
Show/Jazz Choir IV, Grade 12, 1 Credit (03152400) (NCSR41)

This ensemble will perform in a variety of settings. After school rehearsals may be required. Prerequisite: (Auditioned) Enrollment with director approval.

Vocal Ensemble II, Grade 10, 1 Credit (03152200) (NCVR21)
Vocal Ensemble III, Grade 11, 1 Credit (03152300) (NCVR31)
Vocal Ensemble IV, Grade 12, 1 Credit (03152400) (NCVR41)

This elite ensemble will perform in a variety of settings. After school rehearsals may be required. Prerequisite: (Auditioned) Enrollment with director approval. Concurrent enrollment in Mixed Choir.

MARIACHI

Mariachi Intermediate I, Grade 9, 1/2-1 Credit (03153800) (NOMR11)
Mariachi Intermediate II, Grade 10, 1/2-1 Credit (03153900) (NOMR21)
Mariachi Intermediate III, Grade 11, 1/2-1 Credit (03154000) (NOMR31)
Mariachi Intermediate IV, Grade 12, 1/2-1 Credit (03154100) (NOMR41)

This intermediate course is designed for students with guitar, vihuela, guitarrón, trumpet, or violin instrumental skills centered in the medium of Mexican folk music. Students will focus on music literacy, creative expression, historical and cultural relevance, and critical evaluation and response of performance. In addition to participating in UIL events, this ensemble performs for multiple community events and other festivals as deemed appropriate by the director. Students are required to attend all sectionals, performances, and other scheduled rehearsals outside of the school day. Prerequisite: (Auditioned) Enrollment with director approval. (CHS) (LHS)

Mariachi Advanced I, Grade 9, 1/2-1 Credit (30153800) (NOMA11)
Mariachi Advanced II, Grade 10, 1/2-1 Credit (30153900) (NOMA21)
Mariachi Advanced III, Grade 11, 1/2-1 Credit (30154000) (NOMA31)
Mariachi Advanced IV, Grade 12, 1/2-1 Credit (30154100) (NOMA41)

This advanced course is designed for students with guitar, vihuela, guitarrón, trumpet, or violin instrumental skills centered in the medium of Mexican folk music. Students will focus on music literacy, creative expression, historical and cultural relevance, and critical evaluation and response of performance. In addition to participating in UIL events, this ensemble performs for multiple community events and other festivals as deemed appropriate by the director. Students are required to attend all sectionals, performances, and other scheduled rehearsals outside of the school day. Prerequisite: (Auditioned) Enrollment with director approval. (CHS) (LHS)

ORCHESTRA

Concert Orchestra I, Grade 9, 1/2-1 Credit (03150500) (NORR11)
Concert Orchestra II, Grade 10, 1/2-1 Credit (03150600) (NORR21)
Concert Orchestra III, Grade 11, 1/2-1 Credit (03150700) (NORR31)
Concert Orchestra IV, Grade 12, 1/2-1 Credit (03150800) (NORR41)

This course is designed for students with entry level violin, viola, cello, and bass instrumental skills. Students will focus on music literacy, creative expression, historical and cultural relevance, and critical evaluation and response of performance. In addition to working as a singular group for concerts and UIL Concert and Sight Reading Evaluation, this ensemble often performs collectively with the entire orchestra program for additional events deemed appropriate by the director. Students are required to attend all sectionals, performances, and other scheduled rehearsals outside of the school day. Members are encouraged to participate in All-Region auditions and UIL Solo and Ensemble. Prerequisite: (Auditioned) Enrollment with director approval.

String Orchestra I, Grade 9, 1/2-1 Credit (03150500) (NOSR11)
String Orchestra II, Grade 10, 1/2-1 Credit (03150600) (NOSR21)
String Orchestra III, Grade 11, 1/2-1 Credit (03150700) (NOSR31)
String Orchestra IV, Grade 12, 1/2-1 Credit (03150800) (NOSR41)

This course is designed for students with intermediate violin, viola, cello, and bass instrumental skills. Students will focus on music literacy, creative expression, historical and cultural relevance, and critical evaluation and

response of performance. In addition to working as a singular group for concerts and UIL Concert and Sight Reading Evaluation, this ensemble often performs collectively with the entire orchestra program for additional events deemed appropriate by the director. Students are required to attend all sectionals, performances, and other scheduled rehearsals outside of the school day. Members are encouraged to participate in All-Region auditions and UIL Solo and Ensemble. Prerequisite: (Auditioned) Enrollment with director approval.

Chamber Orchestra I, Grade 9, 1/2-1 Credit (03150500) (NOCH11)

Chamber Orchestra II, Grade 10, 1/2-1 Credit (03150600) (NOCH21)

Chamber Orchestra III, Grade 11, 1/2-1 Credit (03150700) (NOCH31)

Chamber Orchestra IV, Grade 12, 1/2-1 Credit (03150800) (NOCH41)

This course is designed for students with advanced violin, viola, cello, and bass instrumental skills. Students will focus on music literacy, creative expression, historical and cultural relevance, and critical evaluation and response of performance. In addition to working as a singular group for concerts and UIL Concert and Sight Reading Evaluation, this ensemble often performs collectively with the entire orchestra program for additional events deemed appropriate by the director. Students are required to attend all sectionals, performances, and other scheduled rehearsals outside of the school day. Members are encouraged to participate in All-Region auditions and UIL Solo and Ensemble. Prerequisite: (Auditioned) Enrollment with director approval.

PIANO

Piano I, Grades 9-12, 1 Credit (03154200) (NPIA11)

Piano II, Grades 10-12, 1 Credit (03154300) (NPIA21)

Piano III, Grades 11-12, 1 Credit (03154400) (NPIA31)

Piano IV, Grade 12, 1 Credit (03154500) (NPIA41)

This course is a course for piano students. Students will focus on music literacy, creative expression, historical and cultural relevance, and critical evaluation and response of performance. Students performs for multiple community events and other festivals as deemed appropriate by the director. Students may be required to attend all sectionals, performances, and other scheduled rehearsals outside of the school day. Students from CHS, EHS, LHS, and MHS will take piano at the ATC and it must be paired with a single section course offered at that facility. (Talkington) (ATC)

High School Music Course Offerings

Grade 9

Band Courses I Grade 9 PREREQUISITE: <i>Director approval/ placement.</i>	Choir Courses I Grade 9 PREREQUISITE: <i>Director approval/ placement.</i>	Orchestra Courses I Grade 9 PREREQUISITE: <i>Director approval/ placement.</i>	Mariachi Courses I Grade 9 PREREQUISITE: <i>Director Approval (CHS & LHS)</i>	Piano I Grades 9-12 PREREQUISITE: <i>Director approval/ placement. ATC</i>
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Grade 10

Band Courses II Grade 10 PREREQUISITE: <i>Director approval/ placement.</i>	Choir Courses II Grade 10 PREREQUISITE: <i>Director approval/ placement.</i>	Orchestra Courses II Grade 10 PREREQUISITE: <i>Director approval/ placement.</i>	Mariachi Courses II Grade 10 PREREQUISITE: <i>Director Approval (CHS & LHS)</i>	Piano II Grades 10-12 PREREQUISITE: <i>Director approval/ placement. ATC</i>
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Grade 11

Band Courses III Grade 11 PREREQUISITE: <i>Director approval/ placement.</i>	Choir Courses III Grade 11 PREREQUISITE: <i>Director approval/ placement.</i>	Orchestra Courses III Grade 11 PREREQUISITE: <i>Director approval/ placement.</i>	Mariachi Courses III Grade 11 PREREQUISITE: <i>Director Approval (CHS & LHS)</i>	Piano III Grades 11-12 PREREQUISITE: <i>Director approval/ placement. ATC</i>
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Grade 12

Band Courses IV Grade 12 PREREQUISITE: <i>Director approval/ placement.</i>	Choir Courses IV Grade 12 PREREQUISITE: <i>Director approval/ placement.</i>	Orchestra Courses IV Grade 12 PREREQUISITE: <i>Director approval/ placement.</i>	Mariachi Courses IV Grade 12 PREREQUISITE: <i>Director Approval (CHS & LHS)</i>	Piano IV Grade 12 PREREQUISITE: <i>Director approval/ placement. ATC</i>
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10th-12th graders who are serious about music are encouraged to take AP Music Theory.

THEATRE ARTS

Technical Theatre I, Grades 9-12, 1/2-1 Credit (03250500) (LCTR21)

Technical Theatre II, Grades 10-12, 1/2-1 Credit (03250600) (LCTR31)

Technical Theatre III, Grades 11-12, 1/2-1 Credit (032501100) (LCTR41)

Technical Theatre IV, Grade 12, 1/2-1 Credit (03251200) (LCTR51)

Students in this course develop skills and techniques to operate various theatre equipment, build scenery, properties and costumes and/or function as publicity crew. In addition, design components will be emphasized. Technical Theatre III and IV students will learn to design projects and materials for professional portfolios for application to college/university theatre programs and/or for a theatre career. Students are trained in media communication and interview techniques in order to present their portfolios. Enrollment is limited due to safety requirements. After school and weekend participation as well as participation in theatre events throughout the year may be required. Upper level courses Prerequisite: Middle School Intermediate Theatre or with director approval. (03250500) (LCTR21)

Theatre I, Grades 9-12, 1/2-1 Credit (03250100) (LCPR11)

Theatre II, Grades 10-12, 1/2-1 Credit (03250200) (LCPR21)

Theatre III, Grades 11-12, 1/2-1 Credit (03250300) (LCPR31)

Theatre IV, Grade 12, 1/2-1 Credit (03250400) (LCPR41)

This course focuses on the development of performance skills, acting techniques, and the survey study of dramatic literature. Production is studied and applied through in-class performance of various monologues, scenes and short plays throughout the year. Students in Theatre II-IV are also trained in audition techniques for college/university application. Students are encouraged to audition for productions which require after school and some weekend rehearsals/performance participation. Prerequisite: None, middle school theatre participation recommended

Pre AP Theatre-Introduction to Pre-AP Theatre III Grades 9-12 1/2-1 Credit [Weighted Credit]

Pre AP Theatre-Introduction to Pre-AP Theatre IV Grade 12 1/2-1 Credit [Weighted Credit]

Pre-AP Theatre was designed in collaboration with arts educators and leaders nationwide, to support all high school arts educators as they address the central curricular challenges in their disciplines. In designing the Pre-AP Arts courses with this team of experts, a number of key needs and course hallmarks emerged: emphasize the process of producing creative work, in addition to highlighting the culminating finished products or performances. Current practice in arts education is often disproportionately product-focused, centering on the final performance or finished portfolio and the development of technical skills that ensure the quality of this presentation. The Pre-AP approach to arts instruction allows room for these as culmination events, but also emphasizes the opportunities for choice making that enhance students' abilities to think critically and creatively as artists. (03250300) (LCPH31) (03250400) (LCPH41)

Theatre Production I, Grades 9-12, 1/2-1 Credit (03250700) (LCRR21)

Theatre Production II, Grades 10-12, 1/2-1 Credit (03250800) (LCRR31)

Theatre Production III, Grades 11-12, 1/2-1 Credit (03250900) (LCRR41)

Theatre Production IV Grade 12, 1/2-1 Credit (03251000) (LCRR51)

Theatre Production emphasizes a more rigorous study of performance styles and techniques for students who have had two or three years of theatre training at the middle school level. Students will also be introduced to technical theatre elements which are relevant to the style of the scene or script in study for performance. Upper level Theatre Production students are trained to function as a theatre management team for a variety of performances. Students may also be introduced to a variety of media communication techniques. Students are trained in audition, portfolio and interview techniques for potential application to college/university programs. Students are required to participate in productions throughout the year which require after school and weekend rehearsals. Prerequisite: Middle School Intermediate Theatre and audition/interview with director approval. (03250700) (LCRR21)

IB Theatre Arts SL, Grades 11-12, 2 Credits [International Baccalaureate]

This class synthesizes the goals of the upper level theatre arts classes into a more comprehensive study of dramaturgy, combined with acting technique and performance opportunities. Students explore acting styles in theatre history and scene performance, investigate noted theoreticians, refine audition technique with particular

emphasis on auditioning for college, prepare personal vitas, apply psychological and physical performance situations, emphasizing specialized theatrical styles. Aesthetic growth through live theatre attendance and development of critical analysis and play analysis skills are also emphasized. A variety of guest artists will identify career opportunities and provide instruction in special techniques. This course leads to the IB standard level examination in Theatre Arts. Prerequisite: Previous experience in Theatre. Student must be in the IB Diploma Program to enroll in this class. (I3750200) (ITHA31) (ITHL31) (LHS)

IB Theatre Arts HL, Grade 12, 2 Credits [International Baccalaureate]

Year two of a multifaceted theatre-making course of study. It gives students the opportunity to make theatre as creators, designers, directors, and performers. It emphasizes the importance of working both individually and collaboratively as part of an ensemble. It offers the opportunity to engage actively in the creative process, transforming ideas into action as inquisitive and productive artists. Students experience the course from contrasting artistic perspectives. They learn to apply research and theory to inform and to contextualize their work. The theatre course encourages students to appreciate that through the processes of researching, creating, preparing, presenting and critically reflecting on theatre— as participants and audience members—they gain a richer understanding of themselves, their community and the world. Prerequisite: Completion of IB Theatre Arts SL. Student must be in the IB Diploma Program to enroll in this class. (I3750300) (ITHA41) (ITHL41) (LHS)

High School Theater

Grades 9- 12

Theater I
Grades 9-12

Theater Production I
Prerequisite: Middle School Intermediate Theater or with Director Approval.
Audition Required.
Grades 9-12

Technical Theater I
Prerequisite: Middle School Intermediate Theater/Technical Theater or with Director Approval.
Grades 9-12

Grades 10-12

Theater II
Prerequisite:
Theater I.
Grades 10-12

Theater Production II
Prerequisite: Theater Production I or with Director Approval.
Audition Required.
Grades 10-12

Technical Theater II
Prerequisite: Technical Theater I or with Director Approval.
Grades 10-12

Grades 11-12

Theater III
Prerequisite:
Theater II.
Grades 11-12

Theater Production III
Prerequisite: Theater Production II or with Director Approval.
Audition Required.
Grades 11-12

Technical Theater III
Prerequisite: Technical Theater II or with Director Approval.
Grades 11-12

Grade 12

Theater IV
Prerequisite:
Theater III.
Grade 12

Theater Production IV
Prerequisite: Theater Production III or with Director Approval.
Audition Required.
Grade 12

Technical Theater IV
Prerequisite: Technical Theater III or with Director Approval.
Grade 12

VISUAL ARTS

Art Appreciation, Grades 10-12, 1 Credit [Dual Credit] [Weighted Credit]

This course is designed to enhance the student's appreciation of art by introducing them to the basic vocabulary of art and various media. Students will be introduced to the stylistic features of historical art periods and regions of world art. Students will develop skills necessary to interpret and speak intelligently about the purpose and meaning of art. Prerequisite: Instructor approval required, previous art instruction not required (03500110) (AAPD11) (AAPH11) (EHS, LHS)

Art I Introduction to Art, Grades 9-12, 1 Credit

This course is an introduction to the elements and principles of design as applied to art history, drawing, painting, graphic arts, and crafts. Prerequisite: 0-1 years of middle school Art or middle school 3D Studio (03500100) (ARTR11)

Art I Studio, Grades 9-12, 1 Credit

This course is a continuation of the elements and principles of art and design as applied to art history, drawing, painting, graphic arts, and crafts. Prerequisite: Two years of middle school Art and/or middle school 3D Studio (03500100) (ARTR31)

Art II 2D, Grades 10-12, 1 Credit

This is a study of the elements and principles of design as they relate to completed compositions. Emphasis is on acquiring and furthering skills in drawing, painting, designing, sculpting, and art appreciation. This course builds on the knowledge and skill acquired in Art I Studio. Prerequisite: Art I Studio or Art I Introduction to Art (03500500) (ARTR21)

Art II 3D, Grades 10-12, 1 Credit

This is a course in which students will develop more advanced skills using 3-dimensional techniques and media. Students will create many works of art using a variety of 3D materials and will investigate artists, styles, movements, and cultures. This course provides a study of basic through advanced techniques of designing, decorating, glazing, and firing clay objects; and is a survey of related art history. Three processes are studied: hand modeling, sculpting, and using a potter's wheel. This course builds on the knowledge and skills acquired in Art I Studio. Prerequisite: Art I Studio or Art I Introduction to Art (03500900) (ACER21)

Art II Photography, Grades 10-12, 1 Credit

Students will learn to understand and control a digital camera and learn vocabulary of art and photography as an art form. In addition to investigation of basic skills in picture making, students will examine color theory and composition. They will also investigate master artists in photography. Studio practices will include digital shooting and editing for specific projects and applications. Students will have the opportunity to participate in area, state and national contests. Students will need access to a digital camera (either a dslr or a late model smart phone with a camera that can shoot in manual mode). Prerequisite: Art I Studio or Art I Introduction to Art (03501200) (APHR21) (LHS)

AP Art III Art History, Grades 11-12, 1 Credit [Advanced Placement] [Dual Credit-EECHS]

This course is an introductory college art history survey. Students will develop an understanding and knowledge of diverse historical and cultural contexts of architecture, sculpture, painting, and other media, along with examining and critically analyzing major forms of artistic expression. Not offered on all campuses. Prerequisite: Art I Introduction to Art or Art I Studio or Art Appreciation or with instructor approval (A3500100) (AFAH31) (03500300) (AFAD31)

Art III Ceramics, Grades 11-12, 1 Credit

This course provides a study of basic through advanced techniques of designing, decorating, glazing, and firing clay objects, as well as a survey of related art history. Three processes are studied: hand modeling, sculpting, and using a potter's wheel. This course builds on the skills acquired in Art II. Prerequisite: Art II 3D or Art II 2D or AP Drawing Portfolio with instructor approval. (03501800) (ACER31)

Art III Drawing, Grades 11-12, 1 Credit

This is a studio course in which students will concentrate on developing drawing skills. Drawings will focus on the areas of still life, observational drawing, landscape, abstract, and life drawing. Life drawing includes the area of the human form, from a study of the anatomy, the skeleton, muscles, and individual features. Study and critiques in paintings will be followed by the use of live, posed models. Prerequisite: Art II 2D or Art II 3D or AP Drawing Portfolio with instructor approval (03501300) (ALDR31)

Art III Jewelry, Grades 11-12, 1 Credit

This course is an introduction to basic techniques used in metal smithing and jewelry making with an emphasis on design and technique. The objective of the course is to enable students to explore a variety of media including metals and found objects as aesthetic expression in jewelry production. This course builds on knowledge and skills acquired in Art I Studio and Art II. Prerequisite: Art II 3D or Art II 2D or AP Drawing Portfolio with instructor approval. (03502000) (AJFR31)

Art III Painting, Grades 11-12, 1 Credit

This course is a study of painting using a large variety of media, and includes study and appreciation of painting styles through the centuries and advanced color theory. It builds on knowledge and skills acquired in Art I Studio and Art II. Students learn to display their work for exhibit. Prerequisite: Art II 2D or Art II 3D or AP Drawing Portfolio with instructor approval. (03501400) (APAR31)

Art III Photography, Grades 11-12, 1 Credit

Students will continue expanding their knowledge of digital photographic techniques. They will continue the study of the history of photography as a fine art and the Masters of the art form. Students will use specific applications of skills and techniques as is relevant to the making of pictures. Studio practices include digital shooting, editing, specific projects and applications, class critiques, and reflections. Students will have the opportunity to participate in area, state, and national contests. Students will need access to a digital camera (either a dslr or a late model smart phone with a camera that can shoot in manual mode). Prerequisite: Art II Photography or with instructor approval. (03502200) (APHR31) (LHS)

Art III Printmaking, Grades 11-12, 1 Credit

This course is a study of many types of printmaking. The course emphasizes the implementation of elements and principles of design in prints and a study of prints made by artists from across the centuries. It builds on the skills acquired in Art I Studio and Art II. Prerequisite: Art II 2D or Art II 3D or AP Drawing Portfolio with instructor approval. (03501500) (APMR31)

Art III Sculpture, Grades 11-12, 1 Credit

This is a studio art course in which students work independently to develop their skills in sculpting in one or more of the following methods: round, relief, modeled, carved, cast, or assembled. This course builds on the knowledge and skills acquired in Art II. Prerequisite: Art II 3D or Art II 2D or AP Drawing Portfolio with instructor approval. (03501900) (ASCR31)

Art IV Ceramics, Grade 12, 1 Credit

This course provides a study of advanced techniques of designing, decorating, glazing, and firing clay objects, as well as a survey of related art history. Three processes are studied: hand modeling, sculpting, and using a potter's wheel. This course builds on the skills acquired in Art III. Prerequisite: Art III Ceramics or AP 3D Design Portfolio with instructor approval (03502700) (ACER41)

Art IV Drawing - Grade 12, 1 Credit

This course is a study of advanced drawing using a large variety of media, and includes study and appreciation of drawing styles through the centuries and advanced drawing skills. It builds on knowledge and skills acquired in Art III. Students learn to display their work for exhibit. Prerequisite: Art III Drawing or AP 2D Design Portfolio with instructor approval (03502300) (ARTR41)

Art IV Jewelry, Grade 12, 1 Credit

This course is the continuation of advanced techniques used in metal smithing and jewelry making with an emphasis on design and technique. The objective of the course is to enable students to explore a variety of media including metals and found objects as aesthetic expression in jewelry production. This course builds on

knowledge and skills acquired in Art III. Prerequisite: Art III Jewelry or AP 3D Design Portfolio with instructor approval (03502900) (AJFR41)

Art IV Painting, Grade 12, 1 Credit

This course is a study of advanced painting using a large variety of media, and includes study and appreciation of painting styles through the centuries and advanced color theory. It builds on knowledge and skills acquired in Art III. Students learn to display their work for exhibit. Prerequisite: Art III Painting or AP 2D Design Portfolio with instructor approval (03502400) (APAR41)

Art IV Printmaking, Grade 12, 1 Credit

This course is a study of advanced types of printmaking. The course emphasizes the continuation of elements and principles of design in prints and a study of prints made by artists from across the centuries. It builds on the skills acquired in Art III. Prerequisite: Art III Printmaking or AP 2D Design Portfolio with instructor approval (03502500) (APMR41)

Art IV Sculpture, Grade 12, 1 Credit

This is a studio art course in which students work independently to develop their skills in sculpting in one or more of the following methods: round, relief, modeled, carved, cast, or assembled. This course builds on the knowledge and skills acquired in Art III. Prerequisite: Art III Sculpture or AP 3D Design Portfolio with instructor approval (03502800) (ASCR41)

Floral Design and Floral Design Lab, Grades 10-12, 2 Credits [Weighted Credit]

Students develop the ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Students prepare to earn the Texas State Floral Association Level 1 Floral Certification. (13001810) (YROH11) (AgriSTEM)

AP Studio Art Drawing Portfolio, Grades 10-12, 1 Credit [Advanced Placement]

The AP Studio Art Portfolios are designed for students who are seriously interested in the practical experience of art. The drawing portfolio is intended to address a broad spectrum of art made by mark making, including both drawing and painting in its scope. The student creates a portfolio of work demonstrating the artistic skills and ideas they have developed, refined, and applied over the course of the year and submits the portfolio for evaluation by the College Board at the end of the year. Prerequisite: Art I Studio, Art II 2D or 3D with instructor approval (A3500300) (ASAH41)

AP Studio Art Two-Dimensional Design Portfolio, Grades 11-12, 1 Credit [Advanced Placement]

The AP Studio Art Portfolios are designed for students who are seriously interested in the practical experience of art. The 2D design portfolio involves purposeful decision-making about how to use the elements and principles of design in visual compositions. The student creates a portfolio of work demonstrating the artistic skills and ideas they have developed, refined, and applied over the course of the year and submits the portfolio for evaluation by the College Board at the end of the year. Prerequisite: AP Drawing Portfolio or Art II or III with instructor approval. Recommended: AP Art History prior to or concurrently (A3500400) (ARTH61)

AP Studio Art Three-Dimensional Design Portfolio, Grades 11-12, 1 Credit [Advanced Placement]

The AP Studio Art Portfolios are designed for students who are seriously interested in the practical experience of art. The 3D portfolio is intended to address a broad interpretation of sculptural issues in depth and space. These might include: traditional sculpture, architectural models, apparel, ceramics, jewelry, metalwork, and other 3D media. The student creates a portfolio of work demonstrating the artistic skills and ideas they have developed, refined, and applied over the course of the year and submits the portfolio for evaluation by the College Board at the end of the year. Prerequisite: AP Drawing Portfolio or Art II with instructor approval or Art III with instructor approval. Recommended: AP Art History prior to or concurrently (A3500500) (ARTH71)

3D Modeling & Animation, Grades 10-12, 1 Credit [Weighted Credit]

3D Modeling and Animation consists of computer images created in a virtual 3-dimensional environment. 3D Modeling and Animation has applications in many careers, including criminal justice, crime scene, and legal applications; engineering and design; and the movie and the game industries. Students in this course will produce various 3D models of real-world objects. (03580510) (YMAH11) (ATC)

IB Visual Arts SL, Grades 11-12, 2 Credits [International Baccalaureate]

The IB Visual Arts Course is organized into a two-year sequence and encompasses a curriculum of academic investigation in the visual arts, and 2-D and 3-D intermediate and advanced studio art courses. In this program the student will be exposed to a variety of methods, materials, and themes for continuing their work in the visual arts. Art criticism, art history, and aesthetic theories in art are explored as a vehicle for understanding art and individual expression. The studio emphasis of the course is on creating personal imagery with an area of concentration in subject matter, technique, and media (depth and breadth). The academic emphasis of the IB Visual Arts course includes, but is not limited to, written assignments, art critiques, individual and group research, exploring and developing thematic direction, and projects relating to global, historical, and cultural developments and understanding. The academic component will result in a research workbook. Study artwork and the research workbook will be presented to IB for assessment. Outside and extracurricular assignments will be required. Students may take the standard level IB examination for Visual Arts, but it is strongly recommended that students take the higher level course before taking the standard level exam. Prerequisite: IB Student, Art II or Instructor approval. (I3600200) (IART41) (IARL41) (LHS)

IB Visual Arts HL, Grade 12, 2 Credits [International Baccalaureate]

This course is the continuation and the culmination of the IB Visual Arts two-year sequence program and encompasses a rigorous curriculum of academic investigation in the visual arts and advanced level 2-D and 3-D studio art courses. The emphasis of the course is placed on developing a sensitive visual thinking process that will result in artwork that demonstrates technical ability, personal and thematic expression, and understanding of self and others. The culmination of the course consists of two major parts, both of which are compulsory: Part A, Studio Work and Part B, Research Workbook. Each candidate will prepare an exhibition of (and if necessary a demonstration of) approximately 20+ artworks undertaken during the course of their studies. The candidate's art exhibition and workbook will be viewed by and discussed with the assessing examiner appointed by the IB organization. After completion of this course, students may take the standard level or higher level IB examination for Visual Arts. Prerequisite: IB Visual Arts SL. (I3600100) (IART51) (IARL51) (LHS)

High School Visual Arts

Grades 9-12

Art 1 Introduction to Art
 Prerequisite: 0-1 years of Middle School Art or Middle School 3D Studio.
 Grades 9-12

Art 1 Studio
 Prerequisite: 2 or 3 years of Middle School Art and/or Middle School 3D Studio
 Grades 9-12

Grades 10-12

Art II 2D
 Prerequisite: Art I Introduction to Art or Art I Studio
 Grades 10-12

Art II 3D
 Prerequisite: Art I Introduction to Art or Art I Studio
 Grades 10-12

AP Studio Art Drawing Portfolio
 Prerequisite: Art I Studio or Art II 2D or 3D with instructor approval.
 Grades 10-12

Art II Photography
 Prerequisite: Art I Studio or Art I Introduction to Art (LHS)
 Grades 10-12

Art Appreciation
 No Previous Art instruction required.
 Dual Credit. (EHS, LHS)
 Grades 10-12

Grades 11-12

**Art III Drawing
 Art III Painting
 Art III Printmaking**
 Prerequisite: Art II 2D or Art II 3D or AP Drawing Portfolio with instructor approval.
 Grades 11-12

**Art III Ceramics
 Art III Sculpture
 Art III Jewelry**
 Prerequisite: Art II 3D or Art II 2D or AP Drawing Portfolio with instructor approval.
 Grades 11-12

AP Studio Art 2D Design Portfolio
 Prerequisite: AP Drawing Portfolio or Art II with instructor approval or Art III with instructor approval.
Recommended: AP Art History prior to or simultaneously.
 Grades 11-12

AP Studio Art 3D Design Portfolio
 Prerequisite: AP Drawing Portfolio or Art II with instructor approval or Art III with instructor approval.
Recommended: AP Art History prior to or simultaneously.
 Grades 11-12

Art III Photography
 Prerequisite: Art II Photography or with instructor approval. (LHS)
 Grades 11-12

AP Art III Art History
 Prerequisite: Art I Studio or Art I Introduction to Art or Art Appreciation or with instructor approval.
 Grades 11-12 **only**

Grade 12

Art IV Drawing
 Prerequisite: Art III Drawing or AP 2D Design Portfolio I with instructor approval.

Art IV Painting
 Prerequisite: Art III Painting or AP 2D Design Portfolio I with instructor approval.

Art IV Printmaking
 Prerequisite: Art III Printmaking or AP 2D Design Portfolio I with instructor approval.
 Grade 12

Art IV Ceramics
 Prerequisite: Art III Ceramics or AP 3D Design Portfolio I with instructor approval.

Art IV Sculpture
 Prerequisite: Art III Sculpture or AP 3D Design Portfolio I with instructor approval.

Art IV Jewelry
 Prerequisite: Art III Jewelry or AP 3D Design Portfolio I with instructor approval.
 Grade 12

= Standard pathway

PHYSICAL EDUCATION

A student may graduate without taking formal physical education classes by completing courses or activities authorized to substitute for physical education. Students may earn no more than four units of credit in physical education toward state graduation requirements, even though the requirement is only one.

Students in Physical Education will acquire movement knowledge and skills that provide the foundation for enjoyment, continued social development through physical education, and practice for living a physically active and healthy lifestyle. Students will exhibit a physically active lifestyle and understand the relationship of physical activity and health. Students may not repeat a course for graduation.

In addition to the courses listed in this section, the following courses or activities may also be substituted for state credited physical education credit:

Junior Reserve Officer Training Corps (JROTC) (RMSR11) (PES00004)
Pep Squad/Pom I (PEPR11) (PEPR12) Pom II (PEPR21) (PEPR22) Pom III (PEPR31) (PEPR32)
Pom IV (PEPR41) (PEPR42) Service ID for all (PES00014)
Cheerleading (PECR11/12) (PECR21/22) (PES00013)
Marching Band/Color Guard (fall semester only) (NBMR10) (NBMR20) (PES00012)
Dance (PES00056) (PEDR50) (PEDR60)
Folklorico (PES00056) (PEDR50) (PEDR60)

Adventure/Outdoor Education, 1/2 Credit – Online

Students enrolled in adventure outdoor education are expected to develop competency in outdoor education activities that provide opportunities for enjoyment and challenge. Emphasis is placed upon student selection of activities that also promote a respect for the environment and that can be enjoyed for a lifetime. The recommended prerequisite for this course is Foundations of Personal Fitness. (PES00053) (PEDR30) (PEDR40)

Aerobic Activities, 1/2 Credit

Students in aerobic activities are exposed to a variety of activities that promote health-related fitness. A major expectation of this course is for the student to design a personal fitness program that uses aerobic activities as a foundation. The recommended prerequisite for this course is Foundations of Personal Fitness. (PES00056) (PEDR50) (PEDR60)

Competitive Athletics, Grades 9-12, 1/2-4 Credits

Students may participate in football, basketball, tennis, track and field, cross country, golf, baseball, swimming, diving, women's volleyball, soccer, wrestling, and women's softball. Prerequisite: Physical required. (PES00000) (PES00001) (PES00002) (PES00003)

Foundations of Personal Fitness, Grades 9-12, 1/2 Credit

This course is designed to acquaint students with the understanding and meaning of a wellness lifestyle (fitness skills, stress management, nutrition, and recreational leisure). Part of the course will be in the classroom and part will involve physical activity. A fitness test will be administered and used by students to create their own personal workout plan. (PES00051) (PEDR10) (PEDR20)

Gymnastics I, Grades 9-12, 1/2-1 Credit

Activities emphasize the progressive development of basic skills and sound safety practices on each gymnastic apparatus. Girls work on side horse vault, uneven bars, balance beam, and floor exercise. Boys utilize floor exercise, pommel horse, still rings, long horse vault, parallel bars, and horizontal bar. Physical required. (PES00051) (GYMR11) (GYMR12) (LHS)

Gymnastics II, Grades 10-12, 1/2-1 Credit

This is a continuation of the beginning course and requires more advanced skills and a higher degree of competence. Emphasis is on the skills and routines used in the high school compulsory exercises. UIL competition is not required but available to those who can qualify. Prerequisite: Beginning Gymnastics or equivalent preparation. Physical required. (PES00053) (GYMR21) (GYMR22) (LHS)

Gymnastics III, Grades 10-12, 1/2-1 Credit

The skills taught in this course are more complicated and require a higher degree of competence than the previous course. The primary emphasis at this level will be the development of individual routines on various pieces of equipment. The competitive aspects of tumbling and gymnastics will be covered with emphasis on the Olympic activities. Students will have the opportunity to participate in exhibitions and some competitive meets. This course will concentrate on the following activities: Boys: Horizontal bar, floor exercise, side horse vaulting, long horse vaulting, parallel bars, and rings. Girls: Floor exercises, uneven parallel bars, balance beam, and side horse vaulting. This course may be repeated for credit. Prerequisite: The beginning/intermediate course or similar skill preparation. Physical required. (PES00056) (GYMR31) (GYMR32) (LHS)

Individual Sports, Grades 9-12, 1/2 Credit

Students will exhibit a level of skills and strategy competency in two or more individual/dual sports (archery, badminton, bowling, golf, gymnastics, handball, track and field, weight training). This course will continue to place an emphasis on the fitness/wellness concepts and the use of personal workout routines. A fitness test will be administered. (PES00056) (PEDR70) (PEDR80)

WORLD LANGUAGES

Lubbock ISD offers World Language courses in Spanish at all high schools along with American Sign Language, French, and German at selected campuses. These courses must be taken in sequence and each course must be passed before the student is promoted to the next level. Students who have second language schooling and/or experience may begin their second language studies at a higher level upon successful completion of a placement exam and the recommendation of their teacher. Computer programming languages (Computer Science) also count for World Language credit. Two consecutive credits of the same language meet the World Language requirement for the Foundation Program and the Foundation plus Endorsement Program.

American Sign Language Level I, 1/2 -1 Credit

American Sign Language I is an introduction to the language and the culture. The main emphasis is on communication while developing receptive and productive skills. The student will be guided in recognizing the interrelationships of languages and will develop a cultural appreciation of the deaf world. The focus of this course will be on novice proficiency. (03980100) (FASR11) (CHS)

American Sign Language Level II, 1/2 -1 Credit

American Sign Language II continues to develop communicative skills. The focus is on mid- to high-novice proficiency. Expansion of vocabulary and grammatical structures continues. Contrast between English and sign language strengthens the language learning process. Culturally related activities will be explored. Prerequisite: ASL I or Placement Exam. (03980200) (FASR21) (CHS)

French Level I, 1 Credit

French I is an introductory course to the French world, its language and its people. Students will be taught basic vocabulary, phrases and grammar using the skills of listening, speaking, reading, and writing to meet the TEKS goals of communication, cultures, connections, comparisons, and communities at the novice-mid to novice-high level of proficiency. (03410100) (FFRR11) (MHS)

French Level II, 1 Credit

French II continues to develop the basic conversational, reading and writing skills taught in Level I, increasing vocabulary and grammar skills to meet the TEKS goals of communication, cultures, connections, comparisons, and communities at the novice-high to intermediate low level of proficiency. Prerequisite: French 1 or Placement Exam. (03410200) (FFRR21) (MHS)

French Level II, 1 Credit [Honors]

French II Honors includes the basic content of the French II course, however, student expectations and assessment will be more rigorous, thus encouraging students to begin communicating at a novice high-intermediate-low proficiency level while beginning basic preparation for the French Language Advanced Placement Exam (or other university placement tests). Prerequisite: French I or earning 80% or higher on Placement Exam. (03410200) (FFAH21) (MHS)

French Level III, 1 Credit [Honors]

French III Honors is an intermediate level course. Students will continue to develop their communication skills by producing original spoken and written language rather than memorized phrases to meet the TEKS goals of communication, cultures, connections, comparisons, and communities at the intermediate low-intermediate mid-level of proficiency. They will also begin reading excerpts from French literature and continue preparing for the French Language Advanced Placement Exam (or other university placement test). Prerequisite: French II or French II Honors or earning 80% or higher on Placement Exam. (03410300) (FFAH31) (MHS)

AP French Level IV, 1 Credit [Advanced Placement]

French IV AP is a comprehensive advanced level course in the French language. Students will continue refining the skills taught and practiced in the intermediate course, focusing on conversation, advanced vocabulary, advanced writing, and advanced reading skills needed for the French Language Advanced Placement Exam (or other university placement tests). Both students and teacher are expected to use the French language the majority of class time, while meeting the TEKS goals of communication, cultures, connections, comparisons,

and communities at the intermediate mid- intermediate-high proficiency level. Prerequisite: French III or French III Honors or earning 80% or higher on Placement Exam. (A3410100) (FFAH41) (MHS)

German Level I, 1 Credit

German I is an introductory course to the German world, its language and its people. Students are taught basic vocabulary, common phrases, and grammar utilizing the skills of listening, speaking, reading, and writing to meet the TEKS goals of communication, cultures, connections, comparisons, and communities at the novice-low to novice-mid level of proficiency. (03420100) (FGRR11) (LHS)

German Level II, 1 Credit

German II continues to develop the basic conversational, reading, and writing skills taught in Level I, thus increasing vocabulary and grammatical skills to meet the TEKS goals of communication, cultures, connections, comparisons, and communities at the novice-mid to novice-high level of proficiency. Prerequisite: German I or Placement Exam. (03420200) (FGRR21) (CHS) (LHS)

German Level II, 1 Credit [Honors]

German II Honors includes the basic content of the German II course. However, student expectations and assessment will be more rigorous, thus encouraging students to begin communicating at an intermediate- low proficiency level while beginning basic preparation for the German Language Advanced Placement Exam (or other university placement tests). Prerequisite: German I or Placement Exam. (03420200) (FGAH21) (CHS) (LHS)

German III, Grades 11-12, 1 Credit [Honors]

German III Honors is an intermediate level course. Students will continue to develop their communication skills by producing original spoken and written language rather than memorizing phrases to meet the TEKS goals of communication, cultures, connections, comparisons, and communities at the intermediate level of proficiency. They will also begin reading excerpts from German literature and continue preparing for the German Language Advanced Placement Exam (or other university placement tests). Prerequisite: German II or German II Honors or Placement Exam. (03420300) (FGAH31) (CHS) (LHS)

AP German Level IV, 1 Credit [Advanced Placement]

German IV AP is a comprehensive advanced level course in the German language. Students will continue refining the skills taught and practiced in the intermediate course, focusing on conversation, advanced vocabulary, advanced writing and advanced reading skills needed for the German Language Advanced Placement Exam (or other university placement tests). Both students and teacher are expected to use the German language the majority of class time, while meeting the TEKS goals of communication, cultures, connections, comparisons, and communities at the intermediate-high proficiency level. Prerequisite: German III Honors or Placement Exam. (A3420100) (FGAH41) (CHS) (LHS)

IB German Level IV, 2 Credits [International Baccalaureate SL]

The purpose of the course is to advance students' linguistic and cultural competence from an intermediate to an advanced level. Students will acquire the ability to interact meaningfully in German with educated native speakers on a variety of culturally relevant topics. Learning experiences will include, but are not limited to advancing oral fluency, comprehending challenging texts, commenting orally and in writing about these texts, and developing a high-level of listening comprehension. Students may take the IB German Language B SL exam after completing this course, but it is strongly recommended that a student take the next level before taking the exam. Prerequisites: German III Honors and IB or Placement Exam. (I3420400) (IGER41) (IGERL1) (LHS)

IB German Level V, 2 Credits [International Baccalaureate SL/HL]

Students will work to demonstrate their ability to compose well-constructed and idiomatic essays. Emphasis will continue to be placed on oral fluency, essays, and comprehension. This course leads to the IB standard level or higher level examination in German Language B. Prerequisites: German IV IB and IB student. (I3420500) (IGER51) (IGERL2) (LHS)

IB AB Initio Mandarin I, Grade 11, 1 Credit [International Baccalaureate]

This is year one of a two-year program. It provides an opportunity for students to study Mandarin at a beginning level. Students should have no prior experience with Mandarin. The AB Initio course focuses on spoken interaction using a wide range of Mandarin resources and texts as stimulus. Listening, speaking, reading, and writing are all developed with special attention to 150 basic written characters. Students will also learn much about Chinese culture. (03490100) (IAIM31) (LHS)

IB AB Initio Mandarin II, Grade 12, 1 Credit, [International Baccalaureate]

This is the second year of a two-year program. The IB Student will be prepared and test for AB Initio Mandarin at the end of this second year. The student will increase their knowledge of basic Mandarin language, Chinese culture, and Mandarin texts. The aim of this course is to create effective communication. The course includes written assignments, individual oral presentation, written tests, dictations, listening comprehension, and stroke order of character. (03490200) (IAIM41) (LHS)

Spanish Level I, 1 Credit

Spanish I is an introductory course to the Hispanic world, its language and its people. Students will be taught basic vocabulary, phrases and grammar using the skills of listening, speaking, reading and writing to meet the TEKS goals of communication, cultures, connections, comparisons, and communities at the novice-mid to novice-high level of proficiency. (03440100) (FSPR11)

Spanish Level II, 1 Credit

Spanish II continues to develop the basic conversational, reading, and writing skills taught in Level I, increasing vocabulary and grammar skills to meet the TEKS goals of communication, cultures, connections, comparisons, and communities at the novice-mid to novice-high level of proficiency. Prerequisite: Spanish I or earning 80% or higher on Placement Exam. (03440200) (FSPR21)

Spanish Level II, 1 Credit [Honors]

Spanish II Honors includes the basic content of the Spanish II course. However, student expectations and assessment will be more rigorous, thus encouraging students to begin communicating at an intermediate-low proficiency level while preparing for future Advanced Placement testing. This course vertically aligns with AP and IB world language courses. Prerequisite: Spanish I or scoring an intermediate low on Placement Exam. (03440200) (FSAH21)

Spanish Level III, 1 Credit [Honors] [Dual Credit]

Spanish III Honors is an intermediate level course. Students will continue to develop their communication skills by producing original spoken and written language rather than memorized phrases to meet the TEKS goals of communication, cultures, connections, comparisons, and communities at the intermediate-mid level of proficiency. They will also begin reading excerpts from Spanish literature and continue preparing for the Spanish Language Advanced Placement Exam (or other university placement tests). This course vertically aligns with AP and IB world language courses. Prerequisite: Spanish II or Spanish II Honors or scoring an intermediate-mid on Placement Exam. (03440300) (FSAH31) (FSAD31)

AP Spanish Level IV, 1 Credit [Advanced Placement] [Dual Credit]

Spanish IV AP is a comprehensive advanced level course in the Spanish language. Students will continue refining the skills taught and practiced in the intermediate course, focusing on conversation, advanced vocabulary, advanced writing, and advanced reading skills needed for the Spanish Language Advanced Placement Exam (or other university placement tests). Both students and teacher are expected to use the Spanish language the majority of class time, while meeting the TEKS goals of communication, cultures, connections, comparisons, and communities at the intermediate-high proficiency level. Prerequisite: Spanish III Honors or scoring intermediate-high on Placement Exam. (A3440100) (FSAH41) (03440400) (FSAD41)

IB Spanish Level IV, 2 Credits [International Baccalaureate SL]

This fast pace course will be taught almost entirely in Spanish and will assume student proficiency of Spanish III course work. The course will also include advanced grammar, writing, and more difficult reading selections. At this level, concentration is placed on enhancing and perfecting listening, speaking, reading, literary analysis and writing skills as well as broadening the students' understanding of Hispanic culture. Students will be expected to converse in Spanish. Students may take the IB standard level exam after completing this course, but it is

strongly recommended that a student take the Spanish V IB course before taking the exam. Prerequisites: Spanish III Honors and IB student or scoring intermediate-high on Placement Exam. (I3440400) (ISPA41) (ISPAL1) (LHS)

AP Spanish Level V, 1 Credit [Advanced Placement]

Spanish V AP is a comprehensive advanced level course in the Spanish literature. Students at this level focus on interpretive reading, literary analysis and writing skills as well as broadening the students' understanding of Hispanic culture. Both students and teachers will be speaking mostly in Spanish. Prerequisite: Spanish IV AP or scoring intermediate-high on Placement Exam. (A3440200) (FSAH71)

IB Spanish Level V, 2 Credits [International Baccalaureate SL/HL]

In this course, students will engage in activities on topics prescribed by the IB Institute. Students will work to demonstrate their ability to compose well-constructed and idiomatic essays. Emphasis will be placed on oral fluency, essays, and comprehension. This course will be taught entirely in Spanish. This course leads to the IB standard level or higher level examination in Spanish Language B. Prerequisites: Spanish IV IB and IB student or scoring intermediate-high on Placement Exam. (I3440500) (ISPA51) (ISPAL2) (LHS)

IB Spanish Level VI, 2 Credits [International Baccalaureate SL/HL]

This course will be an intense and advanced study of language skills of conversation, listening, reading, and writing as well as a comprehensive overview and focus of the authors and literature of people in Hispanic countries and heritages. This course will be taught entirely in Spanish. This course leads to the IB standard level or higher level examination in Spanish Language B. Prerequisite: Spanish V IB or scoring intermediate-high on Placement Exam. (03440600) (FSAH61) (LHS)

NOTE FOR WORLD LANGUAGES: Once AAPPL results verify the student's proficiency level, the counselor will meet with the student to confirm credit(s) awarded for language level(s) they demonstrated mastery. If that mastery equivocates minimum graduation requirements, then the student may choose to continue in the indicated instructional level or select other courses. For students who may potentially demonstrate proficiency in languages other than Spanish that are accepted by TEA for graduation, please contact the World Language office for testing information.

ELECTIVES

ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID)

Placement in AVID following application process, concurrent enrollment in rigorous courses (such as Honors/ Pre-AP, AP, IB, dual-credit) required. Dual credit students must be TSI compliant in reading/writing by end of AVID I.

AVID I. Grade 9, 1 credit [Regular] [Dual Credit–EECHS]

This course will enable students to succeed in a rigorous course of study that will prepare them for success in postsecondary education. Students learn concepts such as time management and organization, study and test-taking skills, and college and career awareness. These concepts, along with field-based instruction and tutorial sessions, will give students a rigorous academic challenge in a positive environment. WICOR (writing, inquiry, collaboration, organization and reading) strategies are employed in class and in content-area classes. Students will be exposed to leadership opportunities and service opportunities. (N1290001) (AVID11) (AVIH11)

AVID II. Grade 10, 1 credit [Regular] [Dual Credit–EECHS]

Students learn organizational and study skills, engage in critical thinking, develop and ask probing questions, collaborate with peers and college tutors during academic tutorials, and participate in enrichment and motivational activities that make college seem attainable. WICOR (writing, inquiry, collaboration, organization and reading) strategies are employed in class and in content-area classes. Students will take the PSAT and evaluate their score reports and develop goals for success on college admission tests. Students will learn leadership skills and participate in community service/school organization activities. (N1290002) (AVID21) (AVIH21)

AVID III. Grade 11, 1 credit [Regular] [Dual Credit–EECHS]

Students continue to apply concepts such as time management and organization, study and test-taking skills, and college and career awareness. Teachers follow an intensive writing curriculum and facilitate research projects as well as discussion forums to promote higher level thinking. Strategies such as Socratic seminars and philosophical chairs will be frequently utilized. WICOR (writing, inquiry, collaboration, organization and reading) strategies are employed in class and in content-area classes. Students will take the PSAT/NMSQT in the fall semester and will prepare to take the SAT and ACT tests during the spring semester as part of their college preparation and admissions activities. Students will be expected to participate in community service/school organization activities in a leadership role. (N1290030) (AVID31) (AVIH31)

AVID IV. Grade 12, 1 credit [Regular] [Dual Credit–EECHS]

Projects and independent research in the course will focus on scholarships, colleges, careers, school improvement, and/or community service. Students will complete all requirements necessary to attain admission to multiple postsecondary institutions, including admission to four-year colleges/ universities. Students will complete required financial aid applications to help secure the necessary funding for a postsecondary education. Students will take college entrance exams (SAT and ACT). AVID seniors will complete and present a multi-grade level portfolio of their best work. Students will participate in and organize a service activity that benefits the school community. (N1290033) (AVID41) (AVIH41)

CAPSTONE

AP Capstone Seminar. Grade 11, 1 Credit [Advanced Placement]

This course is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. (N1130026) (LSRH31) (CHS, LHS, MHS)

AP Capstone Research, Grade 12, 1 Credit [Advanced Placement]

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research-based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of approximately 4000–5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense. Prerequisite: Capstone AP Seminar (N1100014) (LSRH41) (CHS, LHS, MHS)

ESPORTS

Scholastic eSports, Grades 10-12, 1 Credit [Local Credit]

This course serves as an introduction to the growing field of eSports (competitive gaming). Students will learn about the various eSports genres, explore the business of eSports, identify and research various eSports-related career opportunities, participate in eSports matches with other high school students as either an athlete in a technical role, a marketer, or a commentator, and become an online content creator by producing informational videos of their gameplay footage. Students are required to become a member of their campus eSports team where they have the opportunity to compete on competition squad, assist with live streams, edit recorded matches, Shoutcast matches, and develop marketing content for the team. Prerequisite: Instructor approval. (85000999) (LSES11) (85000996) (LSES31) (85000997) (LSES41) (85000998) (LSES51)

ETHNIC STUDIES

Ethnic Studies: African American Studies, Grades 10-12, 1 Credit

In this elective course, students learn about the history and cultural contributions of African Americans. This course is designed to assist students in understanding issues and events from multiple perspectives. This course develops an understanding of the historical roots of African American culture, especially as it pertains to social, economic, and political interactions within the broader context of United States history. It requires an analysis of important ideas, social and cultural values, beliefs, and traditions. Knowledge of past achievements provides citizens of the 21st century with a broader context within which to address the many issues facing the United States. (03380085) (TSA11)

Ethnic Studies: Mexican American Studies, Grades 10-12, 1 Credit

In this elective course, students learn about the history and cultural contributions of Mexican Americans. Students explore history and culture from an interdisciplinary perspective. The course emphasizes events in the 20th and 21st centuries, but students will also engage with events prior to the 20th century. (03380084) (TSMX11)

GIFTED AND TALENTED

Gifted and Talented Independent Study Mentorship I-IV, Grades 9-12, 1/2-1 Credit [Weighted Credit]

This course, based on the Exit Level Texas Performance Standards Project (TPSP) for gifted/talented (G/T) students, offers a non-traditional learning experience to those students who have the ability to create innovative products or performances. This course will be an elective credit for G/T high school students. Students work on in-depth projects under the guidance of a mentor in the field. (N1290309) (AGTH11) (N1290313) (AGTH21) (N1290317) (AGTH31) (N1290318) (AGTH41)

IBC PROGRAM COURSE

Personal and Professional Skills, Grades 11-12, 1 Credit

Students in the IBC Program at CHS will be enrolled in this Personal and Professional Skills (PPS) course. PPS spans the junior and senior year and is designed to develop attitudes, skills and strategies to be applied to personal and professional situations and contexts now and in the future. PPS will have the reflective project, language development, and service learning embedded. Available spring semester junior year and fall semester senior year. Junior year: (N1290309) (IPPS11); Senior year: (N1290313) (IPPS21)

Team Sports Officiating, Grades 11-12, 1 Credit

Students enrolled in Team Sport Officiating learn rules and regulations of selected team sports, developing skills in the area of communication, decision making, and conflict management which are needed to officiate team sport competitions. Working with coaches, players, other officials, and parents, the expectation is that by the end of the course students will have the ability to officiate at various levels and manage responsibilities that come with the role. Students will be introduced to the rules of the games and officiating mechanics based on approved University Interscholastic League (UIL) association specifications which will form a foundation for a lifetime advocacy in officiating. Experienced officials will assist in providing “real-world” experiences in preparing the students for the situations they will face. Students will also develop a personal fitness plan and safety plan that directly relates to the needs of an official. Students apply time management skills and adhere to professional responsibilities and standards including the Sports Officials Code of Ethics and the legal rights and responsibilities of a sports official involved with youth sports in the 21st century. (N1160012) (TSPR11)

JUNIOR RESERVE OFFICER TRAINING CORPS (JROTC)

The JROTC program prepares high school cadets for responsible leadership roles while making them aware of their rights, responsibilities and privileges as American citizens. The program promotes graduation from high school and provides instruction and rewarding opportunities benefiting the cadet, the community and the nation. While no military obligation is incurred, satisfactory completion of the program can lead to credit in university ROTC Programs or to advanced rank in the armed forces. Satisfactory completion can also lead to a full ROTC college scholarship and will significantly enhance a cadet’s application for one of the service academies, such as West Point and the Naval, Air Force, and Coast Guard academies.

Courses that contain RADR in the course code generate local credit.

	Military Science		Drill Team	
AJROTC I, Grades 9-12, 1 Credit, (Estacado)	PES00004	RMSR11	84200002	RADR11
AJROTC II, Grades 10-12, 1 Credit, (Estacado)	03160200	RMSR21	84200002	RADR21
AJROTC III, Grades 11-12, 1 Credit, (Estacado)	03160300	RMSR31	84200002	RADR31
AJROTC IV, Grade 12, 1 Credit, (Estacado)	03160400	RMSR41	84200002	RADR41
NJROTC I, Grades 9-12, 1 Credit, (Lubbock)	PES00004	RMSR11	84200002	RADR11
NJROTC II, Grades 10-12, 1 Credit, (Lubbock)	03160200	RMSR21	84200002	RADR21
NJROTC III, Grade 11-12, 1 Credit, (Lubbock)	03160300	RMSR31	84200002	RADR31
NJROTC IV, Grade 12, 1 Credit, (Lubbock)	03160400	RMSR41	84200002	RADR41

MEDIA & COMMUNICATION

Analysis of Visual Media (Film Analysis), Grades 9-12, 1/2 Credit

Students will interpret various media forms for many purposes. Students will also access, analyze, evaluate and produce communication in a variety of forms. They will also critique and analyze the significance of visual representations and learn to produce media messages that communicate with others. (03221700) (LVMR20)

Debate I, Grades 9-12, 1/2-1 Credit (03240600) (LCDR21)

Debate II, Grades 10-12, 1/2-1 Credit (03240700) (LCDR31)

Debate III, Grades 10-12, 1/2-1 Credit (03240800) (LCDR41)

4th English credit for Debate III under Foundation Program and Foundation plus Endorsement Program

Sequential courses are concentrated studies in debate for students wishing to compete in Interscholastic League competitions. This course is designed to educate students in the art of argumentation. Content includes analysis of propositions, academic research, preparation of research files and briefs, writing of arguments supporting and opposing propositions of policy and value, skills of refutation, presentation and delivery.

Journalism I, Grades 9-12, 1/2-1 Credit

This course presents journalistic techniques in the classroom concerning reporting, special writing, and photojournalism. Prerequisite: Above-average grades and recommendation of English or journalism teacher. (03230100) (LJOR20) (LJOR21)

Advanced Journalism: Newspaper Production I, Grades 9-12, 1/2-1 Credit

Focus on newspaper production with topics including editing, graphics, design, layout, and advertising. Prerequisite: Journalism I (in middle school or high school) and instructor approval. (03230140) (LJNR21)

Advanced Journalism: Newspaper Production II, Grades 10-12, 1/2-1 Credit [Regular] [Weighted credit]

Prerequisite: Newspaper Production I and instructor approval (03230150) (LJNR31) (LJNH31)

Advanced Journalism: Newspaper Production III, Grades 11-12, 1/2-1 Credit [Regular] [Weighted credit]

4th English credit under the Foundation and Foundation plus Endorsement Programs

Prerequisite: Newspaper Production II and instructor approval (03230160) (LJNR41) (LJNH41)

Advanced Journalism: Yearbook Production I, Grades 9-12, 1/2-1 Credit

Focus on yearbook publication with topics including graphics, design, layout, photography, magazine journalism techniques, advertising, budgets, and production. Prerequisite: Journalism I (in middle school or high school) and instructor approval. (03230110) (LJYR21)

Advanced Journalism: Yearbook Production II, Grades 10-12, 1/2-1 Credit [Regular] [Weighted credit]

Prerequisite: Yearbook Production I and instructor approval. (03230120) (LJYR31) (LJYH31)

Advanced Journalism: Yearbook Production III, Grades 11-12, 1/2-1 Credit [Regular] [Weighted credit]

4th English credit under the Foundation and Foundation plus Endorsement Programs

Prerequisite: Yearbook Production II and instructor approval (03230130) (LJYR41) (LJYH41)

Oral Interpretation I, Grades 10-12, 1/2-1 Credit (03240200) (LCOR21)

Oral Interpretation II, Grades 10-12, 1/2-1 Credit (03240300) (LCOR31)

Oral Interpretation III, Grades 10-12, 1/2-1 Credit (03240400) (LCOR41)

4th English credit for Oral Interpretation III under the Foundation and Foundation plus Endorsement Programs

Sequential courses are concentrated studies in the interpretation of literature for students wishing to compete in Interscholastic League competitions. In Oral Interpretation, students study the oral reading or performance of a literary text as a communication art. Students focus on intellectual, emotional, sensory, and aesthetic levels of texts to attempt to capture the entirety of the author's work. Individual or group performances of literature will be presented and evaluated.

Photojournalism, Grades 9-12, 1/2-1 Credit

This course focuses on photography for journalistic purposes including camera operations and safety, journalistic ethics and law, picture composition, and photo editing. (03230800) (LPJR20) (LPJR21)

Public Speaking I, Grades 9-12, 1/2-1 Credit (03240900) (LCSR21)

Public Speaking II, Grades 10-12, 1/2-1 Credit (03241000) (LCSR31)

Public Speaking III, Grades 10-12, 1/2-1 Credit (03241100) (LCSR41)

4th English credit for Public Speaking III under the Foundation and Foundation plus Endorsement Programs

Sequential courses are concentrated studies in Public Speaking for students wishing to compete in Interscholastic League competitions. This course is a study of preparation of public speeches and includes concepts of rhetoric, topic selection, library and electronic research skills, organization of ideas, preparation and presentation, and delivery skills.

Special Topics in Academic Decathlon

Independent study course for students on the Competitive Speech and Debate Team. Topics include: Advanced Policy Debate, Advanced Value Debate, Advanced Public Speaking, Research Methods, and Advanced Oral Interpretation. (03241200) (LCFR11) (03241210) (LCFR21) (03241220) (LCFR31)

PEER MEDIATION AND TUTORING

Peer Mediation, Grades 9-12, 1/2-1 Credit [Local Credit]

Students are trained as peer mediators in providing non-violent problem-solving approaches to resolving conflicts for their campus. Students will focus on areas of understanding conflict, styles of conflict, negotiation, collaboration, and developing communication and listening skills. Students may also be involved as mentors in elementary and middle schools. (85000001) (LPMR20) (LPMR21)

Peer Tutoring, Grades 10-12, 1/2-1 Credit [Local Credit]

This course offers an opportunity for a student to receive local credit for tutoring one or more students in a designated class. The peer tutor must have an 85 average or higher in academic subjects, be recommended by a teacher, and be accepted through an application/interview process. Training for the tutor will be provided at the beginning of the semester or year. (85000002) (LPPR20) (LPPR21)

SEL LEARNING

Plainsmen Connect, Grade 9, 1 Credit [Local Credit]

In Plainsmen Connect, students will develop skills around self-awareness, self-management, social awareness, relationship skills, and responsible decision making. Students will learn organizational skills, develop interpersonal skills and learn to work as part of a team, learn to apply a problem-solving approach to conflict, learn to create a budget, and explore options for life after high school. Students will also engage in a weekly goal-setting and grade check protocol in order to help them stay on track in other classes. (85000001) (LPCU11) (MHS)

SPORTS MEDICINE

Sports Medicine I, II Grades 10-12, 1/2-1 Credit

This course provides an opportunity for the study and application of components of sports medicine: sports medicine related careers, organizational and administrative considerations, prevention of athletic injuries, recognition, and immediate care of athletic injuries, rehabilitation and management skills, taping, and wrapping techniques, first aid/CPR/AED, emergency procedures, nutrition, sports psychology, human anatomy, and physiology, therapeutic modalities and therapeutic exercise. Prerequisite: Must currently be in the high school sports training program, or instructor approval. (N1150040) (SPMR31) (N1150041) (SPMR41)

STUDENT/TEEN LEADERSHIP

Student Leadership, Grades 9-12, 1/2-1 Credit

This course provides opportunities to study, practice and develop group and individual leadership and organizational skills. These skills include decision-making skills, problem-solving techniques, communication skills, leadership roles, human relationship skills and understanding the need for civic responsibility. (N1290010) (LECR30) (LECR31)

LeadWorthy Teen Leadership, Grades 9-12, 1/2 Credit

LeadWorthy Teen Leadership is a course in which students develop leadership, professional, and business skills. Students learn to develop a healthy self-concept, healthy relationships, and learn to understand the concept of personal responsibility. (N1290012) (TELR11) (CHS)

CAREER AND TECHNICAL EDUCATION

This section is designed to help students plan their future career goals. The Career and Technical Education (CTE) program includes courses that provide career skills, leadership development and on-the-job training to help students succeed after graduation. Students are encouraged to seek input from their parents, counselors, and teachers regarding which courses will best prepare students for a high-wage, high-skill, high-demand job in the future. Many of these programs also provide opportunities for leadership skills, competitions at the district, state, and national levels and opportunities to work in career areas of interest.

The goal is for CTE students to complete a coherent sequence of courses within a given subject area. To help students become career and college ready, many CTE courses include:

- National Industry Certifications
- Career Preparation Activities
- Leadership Training
- CTE Articulated College Credit
- Participation in CTSO's (Career and Technical Student Organizations)

CAREER PREPARATION

Career Preparation courses provide on-the-job training for specific careers. Students receive both classroom instruction and the opportunity to leave campus for part-time employment. Students in these programs **MUST** meet the following criteria:

- Work at least 10 hours per week (for students in Career Prep I) or at least 15 hours per week (for students in Career Prep II). Pay stubs and are documentation required throughout the school year.
- Students must be at least 16 years of age.
- Each student must have a signed training plan with an approved employer.

Note: Students must be employed by the first day of school to enroll in these courses.

Career Preparation (GENERAL), Grades 11-12, 2 Credits

Career Preparation GENERAL will provide an opportunity for students to combine classroom instruction with employment experiences. Students are taught employability skills such as job interview techniques, communication skills, financial and budget activities, and interpersonal relations. **Students MUST be employed at least 10 hours a week to enroll in this course.** Students will have 1 class period for instruction and 1 work release period provided they continue to meet the 10 hour a week employability requirement. *Prerequisite:* Employed/Good attendance. Students without a job will be removed from the course. 1st Time Taken: (12701111) (YCRR11) 2nd Time Taken: (12701112) (YCRR21)

Career Preparation (GENERAL), Extended Grades 11-12, 3 Credits

Approval from CTE Executive Director is required to enroll in this course.

Students are taught employability skills such as job interview techniques, communication skills, financial and budget activities, and interpersonal relations. **Students MUST be employed at least 15 hours a week to enroll in this course.** Students will have 1 class period for instruction and 1 work release period provided they continue to meet the 15 hour a week employability requirements. *Prerequisite:* Employed/Good attendance. Students without a job will be removed from the course. 1st Time Taken: (12701131) (YCRR31) 2nd Time Taken: (12701132) (YCRR41)

Career Preparation (PROGRAM OF STUDY), Grades 11-12, 2 Credits

Career Preparation PROGRAM OF STUDY develops career skills through on-the-job training in a position related to a student's future career. Each student will have an individual training plan that will address job-

specific knowledge and skills based on a specific Program of Study. **Students MUST be employed at least 10 hours a week in a job related to their PROGRAM OF STUDY to enroll in this course.** (For instance, if a student is in a culinary arts program, their job must relate to culinary!). Students will have 1 class period for instruction and 1 work release period provided they continue to meet the 10 hour a week employability requirement. *Prerequisite:* Employment in a position related to the Student's designated program of study. Students without an aligned job will be removed from the course. 1st Time Taken: (12701121) (YCRR51) 2nd Time Taken: (12701122) (YCRR61)

Career Preparation (PROGRAM OF STUDY), Extended Grades 11-12, 3 Credits

Approval from CTE Executive Director is required to enroll in this course.

Career Preparation PROGRAM OF STUDY develops career skills through on-the-job training in a position related to a student's future career. Each student will have an individual training plan that will address job-specific knowledge and skills based on a specific Program of Study. **Students MUST be employed at least 15 hours a week in a job related to their PROGRAM OF STUDY to enroll in this course.** (For instance, if a student is in a culinary arts program, their job must relate to culinary!) Students will have 1 class period for instruction and 1 work release period provided they continue to meet the 15 hour a week employability requirement. *Prerequisite:* Employment in a position related to the Student's designated program of study. Students without an aligned job will be removed from the course. 1st Time Taken: (12701141) (YCRR71) 2nd Time Taken: (12071142) (YCRR81)

Leadership and Employability Skills, Grades 9-12, 1 Credit

Students will learn to apply their talents and passions to career exploration and learn critical interpersonal skills necessary to thrive in the workplace and beyond. In addition, students will tap their inner leadership potential and learn how to empower peers and colleagues to establish a culture of success. Topics included: interview and presentation skills, listening skills, using feedback, managing emotions in the workplace, resume writing, digital etiquette, networking, leading projects and teams, mentoring, coaching, group dynamics, meeting management, decision making, and overall workplace communication. (N1270153) (YLES11) (ATC)

Career and Technical Education

Agriculture, Food & Natural Resources Cluster

Animal Science	Plant Science	Environmental & Natural Resources	Agribusiness	Food Science & Technology
Principles of AFNR Grades 9-12 1 Credit	Principles of AFNR Grades 9-12 1 Credit	Principles of AFNR Grades 9-12 1 Credit	Principles of AFNR Grades 9-12 1 Credit	Principles of AFNR Grades 9-12 1 Credit
Small Animal Management Grades 10-12 Half Credit & Equine Science Grades 10-12 Half Credit & Project Based Research Grades 10-12 1 Credit AgriSTEM	<i>Production Emphasis</i>	Wildlife, Fisheries & Ecology Management Grades 10-12 2 Credits AgriSTEM	Professional Standards in Agribusiness Grades 10-12 1 Credit & Agricultural Leadership, Research, & Communications Grades 10-12 1 Credit AgriSTEM	Food Technology & Safety Grades 10-12 2 Credits AgriSTEM
Livestock Production Grades 10-12 2 Credits AgriSTEM	Greenhouse Operation & Production Grades 10-12 2 Credits COMING FALL OF 2025 AgriSTEM	Energy & Natural Resources Technology Grades 10-12 2 Credits AgriSTEM	Practicum in AFNR Grades 11-12 2-3 Credits AgriSTEM	Food Processing Grades 10-12 2 Credits AgriSTEM
Veterinary Medical Applications Grades 10-12 2 Credits AgriSTEM	Horticulture Science Grades 10-12 2 Credits COMING FALL OF 2025 AgriSTEM	Industry Based Certifications BASF Plant Science	Industry Based Certifications Grades 11-12 2-3 Credits AgriSTEM	Practicum in AFNR Grades 11-12 2-3 Credits AgriSTEM
Practicum in AFNR Grades 11-12 2-3 Credits AgriSTEM	<i>Floral Emphasis</i>	Industry Based Certifications Texas Parks & Wildlife Hunter Education Certification Water Operator Class D Natural Resources Systems	Industry Based Certifications NOCTI Production Agriculture - Job Ready	Industry Based Certifications ServSafe Food Handlers Certification AMSA Food Safety & Science Certification AMSA Culinary Meat Selection & Cookery Certification Pre-Professional Certification in Food Science Fundamentals
Industry Based Certifications Licensed Veterinary Technician Certification Equine Management & Evaluation Small Animal Science & Technology Elanco Fundamentals of Animal Science Elanco Veterinary Medical Applications Feedyard Technician in Cattle Care & Handling Production Agriculture - Job Ready	Adv. Floral Design & Project Based Research Grades 11-12 1 Credits (W) & Project Based Research Grades 11-12 1 Credit AgriSTEM			
	Practicum in AFNR Grades 11-12 2-3 Credits AgriSTEM			
	Industry Based Certifications Texas State Floral Association Knowledge Based Floral Certification TSFA Level 1 Certification TSFA Level 2 Certification			

W = Weighted Credit

Level 1 Course

Level 2 Course

Level 3 Course

Level 4 Course

AGRICULTURE, FOOD AND NATURAL RESOURCES

Agriculture employs one in every seven working Texans. The Agriculture, Food, and Natural Resources (AFNR) Career Cluster focuses on the essential elements of life: food, water, land, and air. This career cluster includes a diverse spectrum of occupations, ranging from farmer, rancher, or veterinarian to geologist, land conservationist, or florist. It also includes non-traditional agricultural occupations like wind energy, solar energy, and oil and gas production. The economic impact of the Texas food and fiber sector totals about \$100 billion.

Lubbock ISD has four programs of study within the AFNR Cluster: Animal Science; Plant Science; Environmental and Natural Resources; and Food Science and Technology. Principles of Agriculture, Food and Natural Resources and Practicum in Agriculture, Food and Natural Resources can be taken with any AFNR program of study.

Principles of Agriculture, Food and Natural Resources, Grades 9-12, 1 Credit

Students prepare for careers in agriculture, food and natural resources. Students will attain academic skills and knowledge in agriculture. To prepare for success, students will have opportunities to learn, reinforce, experience, apply and transfer their knowledge and skills in a variety of settings. (1300200) (YRFR11)

Project-Based Capstone in Agriculture, Food and Natural Resources, Grades 10-12, 1 Credit [Weighted Credit]

This is a project-based research course for students who have the desire to research a real-world problem. Students will develop a project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, be matched with a mentor from the business or professional community, compile findings, and present their findings to an audience that includes experts in the field. Students shall be awarded one credit for successful completion of this course. Students may repeat this course with different course content for up to three credits. (12701101—1st Time Taken) (YNFH51) (12701102—2nd Time Taken) (YNFH61) (12701103—3rd Time Taken) (YNFH71) (AgriSTEM)

Practicum and Extended Practicum in Agriculture, Food and Natural Resources, Grades 11-12, 2-3 Credits [Weighted Credit]

This Practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the AFNR Career Cluster. Students shall be awarded two or three credits for successful completion of the Practicum. A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills. *Recommended prerequisite:* A minimum of one credit from the courses in the AFNR Career Cluster. **Transportation may be needed.** (13002500) (YRIH81—2 credits) (13002505) (YRIH91—3 credits) (AgriSTEM)

ANIMAL SCIENCE PROGRAM OF STUDY

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

Small Animal Management, Grades 10-12, 1/2 Credit

Careers in the field of animal science are taught in this course. Small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avians, dogs and cats. Students in this course may earn the Small Animal Science & Technology Certification. (13000400) (YRAR10) (AgriSTEM)

Equine Science, Grades 10-12, 1/2 Credit

Careers in the field of animal science are growing. Suggested animals which may be included in the course of study include, but are not limited to, horses, donkeys, and mules. Students in this course may earn the Equine Science and Evaluation Certification. (13000500) (YRER10) (AgriSTEM)

Livestock Production and Lab, Grades 10-12, 2 Credits

Students will learn about production of animal species including, but not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry. Students in this course may earn Elanco Fundamentals of Animal Science Certification. (13000310)(YRLR31) (AgriSTEM)

Veterinary Medical Applications and Lab, Grades 11-12, 2 Credits

Topics covered in this course include, but are not limited to, veterinary practices as they relate to both large and small animal species. Students in this course may earn the Elanco Veterinary Medical Applications Certification and/or Certified Veterinary Assistant Certification. *Prerequisite:* Equine Science, Small Animal Management, or Livestock Production. (13000610)(YRVR31) (AgriSTEM)

PLANT SCIENCE - FLORAL EMPHASIS PROGRAM OF STUDY

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

Floral Design and Lab, Grades 10-12, 2 Credits [Weighted Credit]

This course satisfies a fine arts credit requirement.

Students develop the ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Students may earn the Texas State Floral Association Knowledge Based Floral Certification and TSFA Level 1 Certification. (13001810) (YROH11) (AgriSTEM)

Advanced Floral Design and Project-Based Research, Grades 10-12, 2 Credits [Weighted Credit]

Students gain advanced knowledge and skills specific to those needed to enter the workforce as floral designers or as freelance floral event designers, with an emphasis on specialty designs and occasion-specific designs and planning. Students may earn the Texas State Floral Association Level 2 Floral Certification. (N1300270) (YROH21—1 credit) (12701500) (YNFH51—1 credit) (ATC) (AgriSTEM)

PLANT SCIENCE - PRODUCTION EMPHASIS PROGRAM OF STUDY

Greenhouse Operation and Production and Ag Lab, Grades 10-12, 2 credits - Coming Fall 2025

Greenhouse Operation and Production is designed to develop an understanding of greenhouse production techniques and practices. (13002060) (AgriSTEM)

Horticulture Science and Lab Grades 10-12, 2 credits - Coming Fall 2025

Horticulture Science is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. Students may earn the BASF Plant Science Certification. (YRHR31) (13002010) (AgriSTEM)

ENVIRONMENTAL AND NATURAL RESOURCES

The Environmental and Natural Resources program of study explores the occupations and educational opportunities associated with the research, design, and planning of engineering or technical duties in the prevention and control of environmental hazards. This program of study may also include exploration into conducting research for the purpose of identifying, abating, or eliminating sources of pollutants or hazards that affect either the environment or the health of the population.

Wildlife, Fisheries, and Ecology Management and Lab, Grades 10-12, 2 Credits

Management of game and nongame wildlife species, fish, and aqua-crops and their ecological needs as related to current agricultural practices is taught in this class. Students may earn the TPWD Hunter Education Certification.(13001510)(YRWR31) (AgriSTEM)

Energy and Natural Resources Technology and Ag Lab, Grades 10-12, 2 credits

This course examines the interrelatedness of environmental issues and production agriculture. Students will evaluate the environmental benefits provided by sustainable resources and green technologies. Students may earn the Natural Resources Systems Certification, and/or DUCKS Unlimited Certification. (13001110) (YRNR31) (AgriSTEM)

FOOD SCIENCE AND TECHNOLOGY PROGRAM OF STUDY

The Food Science and Technology program of study explores the occupations and educational opportunities associated with working with agricultural and food scientists in food, fiber and animal research, production, and processing. This program of study may also include assisting with animal breeding, nutrition, and conducting tests and experiments to improve yield and quality of crops or to increase the resistance of plants and animals to disease or insects.

Food Technology and Safety and Lab, Grades 10-12, 2 Credits

Food Technology and Safety examines the food technology industry as it relates to food production, handling, and safety. The course is designed to develop knowledge and skills related to food science, focusing on the innovation of biotechnology and concern for food-borne illness. This class will be directed toward food nutrition, food preservation principles, labeling, packaging, and other quality control issues pertaining to today's food industry. This class also covers the history of the meat industry inspection laws and harvesting regulations. Students will be able to receive The American Meat Science Association (AMSA) Food Safety and Science certification. (13001310) (YRTR21) (AgriSTEM)

Food Processing and Ag Lab, Grades 10-12, 2 Credits

This course focuses on the food processing industry with special emphasis on the handling, processing, and marketing of food products. The course provides practical applications of food processing procedures, including the fabrication of red meat, poultry, and fish into wholesale and retail cuts. Students practice procedures relating to safe manufacture of foods through hygienic food handling and processing. Students also identify market considerations for meat processing. Students may be able to earn The American Meat Science Association (AMSA) Culinary Meat Selection and Cookery certification. (13001410) (YRTR31) (AgriSTEM)

AGRIBUSINESS PROGRAM OF STUDY

The Agribusiness program of study explores the occupations and opportunities associated with the business of agriculture. This program of study may also include exploration into the marketing of farm products, the purchase of farm products either for further processing or resale and the role of leadership and communication in the world of agriculture.

Agricultural Leadership, Research, and Communications, Grades 10-12, 1.0 credit

Prerequisite: One credit from the Agriculture, Food, and Natural Resources Career Cluster (Course MUST be paired with Professional Standards and Communication in Agribusiness) Agricultural Leadership, Research and Communications will focus on challenging agriculture, food, and natural resources students to use higher level thinking skills, develop leadership abilities, employ standard research principles, and develop and communicate agricultural positions effectively with all stakeholders. (N1300266) (YRFR21) (AgriSTEM)

Professional Standards and Communication in Agribusiness, Grades 10-12, 1.0 credit

Prerequisite: One credit from the Agriculture, Food, and Natural Resources Career Cluster (Course MUST be paired with Agricultural Leadership, Research, and Communication) Professional Standards and Communication in Agribusiness primarily focuses on leadership, communication, employer-employee relations, and problem solving as they relate to agribusiness. (13000800) (YRFR31) (13009900) (YTRR10) (AgriSTEM)

Career and Technical Education

Architecture & Construction Cluster

Architectural Design	Carpentry	Electrical	Plumbing	Heating, Ventilation & Air Conditioning
Architectural Design I Grades 10-12 1 Credit (W)	Principles of Trade & Industry Grades 9-10 1 Credit	Principles of Trade & Industry Grades 9-10 1 Credit	Principles of Trade & Industry Grades 9-10 1 Credit	Principles of Trade & Industry Grades 9-10 1 Credit
Engineering Design & Presentation I Grades 10-12 1 Credit (W)	Construction Technology I Grades 10-12 2 Credits (W)	Electrical Technology I Grades 10-12 1 Credit (W)	Plumbing Technology I Grades 10-12 1 Credit (W)	Heating, Ventilation & Air Conditioning I & Sheet Metal Grades 10-12 1 Credit
Architectural Design II Grades 11-12 2 Credits (W)	Construction Technology II Grades 11-12 2 Credits (W)	Occupational Safety & Environmental Technology I Grades 10-12 1 Credit (W)	Pipefitting Technology I Grades 10-12 1 Credit (W)	Heating, Ventilation & Air Conditioning II Grades 11-12 1 Credit
Practicum in Architectural Design Grade 12 2-3 Credits (W)	Practicum in Construction Technology Grade 12 2-3 Credits (W)	Electrical Technology II Grades 11-12 2 Credits (W)	Plumbing Technology II Grades 11-12 2 Credits (W)	Practicum in Construction Technology Grade 12 2-3 Credits (W)
Industry Based Certifications Autodesk AutoCAD Autodesk Inventor Autodesk Revit Architect	Industry Based Certifications NCCER Core NCCER Carpentry 1 NCCER Carpentry 2 OSHA 10	Practicum in Electrical Technology Grade 12 2-3 Credits (W)	Practicum in Plumbing Technology Grade 12 2-3 Credits (W)	Practicum in Construction Technology Grade 12 2-3 Credits (W)
	Industry Based Certifications NCCER Core NCCER Electrical 1 NCCER Electrical 2 OSHA 10	Industry Based Certifications NCCER Core NCCER Plumbing 1 NCCER Plumbing 2 OSHA 10	Industry Based Certifications NCCER Core NCCER HVAC 1 NCCER HVAC 2 OSHA 10	

W = Weighted Credit

Level 1 Course
 Level 2 Course
 Level 3 Course
 Level 4 Course

Principles of Trade and Industry, Grades 9-10, 1 Credit

This course provides an overview of the various fields of architecture and construction technology, welding, automotive technology, and collision repair and refinishing. Each area of the Trade and Industry fields will be broken into nine-week units. Students will have hands-on experience solving real world problems in construction and related industries. Students will earn NCCER Core Certification. (13004220) (YMPR11)

Architectural Design I, Grades 10-12, 1 Credit [Weighted Credit]

Students gain knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. A variety of computer hardware and software applications are used to complete assignments and projects. Architectural design includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scale models for commercial or residential architectural purposes. Students prepare to earn Autodesk Certified User AutoCAD Certification.

This course must be taken concurrently with Engineering Design and Presentation I. *Prerequisites:* Algebra I and English I. *Recommended Prerequisite:* Geometry. (13004600) (YAAH11) (ATC)

Architectural Design II, Grades 11-12, 2 Credits [Weighted Credit]

In Advanced Architectural Design II, students gain advanced knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Architectural Design II includes the advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for commercial or residential architectural purposes. Students prepare to earn the Autodesk Certified User Revit certification. *Prerequisites:* Architectural Design I and Geometry. (13004700) (YAAH21) (ATC)

Practicum and Extended Practicum in Architectural Design, Grade 12, 2-3 Credits [Weighted Credit]

This practicum course is an occupationally specific course designed to provide classroom technical instruction in architectural design. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as mentorships or independent study. Students may participate in a paid or unpaid internship with a local architecture firm. Safety and career opportunities are included in addition to work ethics and architectural design study. *Prerequisite:* Architectural Design II. (13004800) (YEIH61—2 credits) (13004805) (YEIH71—3 credits) (ATC)

Construction Technology I, Grades 10-12, 2 Credits [Weighted Credit]

Students in Construction Technology I will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. Students prepare to enter the workforce in the construction industry, building maintenance industry, or prepare to pursue a postsecondary degree in the architecture or construction industry. Students may earn the NCCER Carpentry I certification and the OSHA 10-hour industry certification. (13005100) (YACH11) (ATC)

Construction Technology II, Grades 11-12, 2 Credits [Weighted Credit]

Students will build on the knowledge and skills gained in Construction Technology I in order to prepare students to enter the workforce in the construction industry. Students will learn advanced skills in framing, finish carpentry, stair construction, and cabinetmaking. *Prerequisite:* Construction Technology I. (13005200) (YACH21) (ATC)

Practicum and Extended Practicum in Construction Technology, Grade 12, 2-3 Credits [Weighted Credit]

This practicum course is an occupationally specific course designed to provide hands-on technical instruction in construction related fields. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as mentorships or independent study. Students may participate in a paid or unpaid internship with a local construction firm. *Prerequisite:* Construction Technology II. (13005250) (YACH81—2 credits) (13005255) (YACH91—3 credits) (ATC)

Electrical Technology I, Grades 10-12, 1 Credit [Weighted Credit]

In Electrical Technology I, students will gain knowledge and skills needed to enter the workforce as an apprentice electrician or prepare for a postsecondary degree in a specified field of electrical technology, construction, electrical engineering, or pursue an approved postsecondary apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment and wiring, and the reading of electrical drawings, schematics, and specifications. Students will earn the NCCER Electrical I certification. This course must be taken concurrently with Occupational Safety and Environmental Technology I and cannot be taken as a stand-alone course. *Recommended Prerequisite:* Principles of Trade and Industry. (13005600) (YAEH11) (ATC)

Occupational Safety and Environmental Technology I, Grades 10-12, 1 Credit [Weighted Credit]

Students will investigate the field of Occupational Safety and Health Administration and Environmental Technology, which is charged with the task of ensuring that business and industry provide a safe workplace, free from hazards and bring about a reduction in the occurrence of job-related injuries and fatalities. Students will use safety resources and collaborate with industry about increasing employee safety and health. This course must be taken concurrently with Electrical Technology I and cannot be taken as a stand-alone course. *Recommended prerequisite:* Principles of Trade and Industry. (N1303680) (YMSH11) (ATC)

Electrical Technology II, Grades 11-12, 2 Credits [Weighted Credit]

In Electrical Technology II, students will gain advanced knowledge and skills needed to enter the workforce as an apprentice electrician, a motor technician apprentice, or a building maintenance technician; or prepare for a postsecondary degree in a specified field of electrical technology, electrical engineering, or pursue an approved postsecondary apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, alternating current and direct current motors, conductor installation, installation of electrical services, and electric lighting installation. *Prerequisite:* Electrical Technology I. (13005700) (YAEH21) (ATC)

Practicum and Extended Practicum in Electrical Technology, Grade 12, 2-3 Credits [Weighted Credit]

This Practicum course provides classroom technical instruction and on-the-job training experiences as a paid or unpaid apprentice in electrical technology. Students will earn hours toward their Journeyman License while working under a Master Electrician. Students shall be awarded two credits (minimum of 10 hours per week) for successfully completing the Practicum course or three credits (minimum of 15 hours per week) for successfully completing the Extended Practicum course. *Prerequisite:* Electrical Technology II. (13005250) (YAEH61—2 credits) (13005255) (YAEH71—3 credits) (ATC)

Plumbing Technology I, Grades 10-12, 1 Credit [Weighted Credit]

In Plumbing Technology I, students will gain knowledge and skills needed to enter the industry as a plumbing apprentice, building maintenance technician, or supervisor or prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in industry workplace basics and employer/customer expectations, including how to use a plumbing code book; how to identify and use power and hand tools; how to be safe on the job site when using hand and power tools; how to apply basic plumbing mathematics and plumbing drawings; and how to identify, fit, and use plastic, copper, cast iron, carbon steel, and corrugated stainless steel pipe. In addition, students will be introduced to gas, drainage, and water supply systems and continue their knowledge of workplace basics and green technologies. Students may earn the NCCER Plumbing I certification. This course must be taken concurrently with Pipefitting I and cannot be taken as a stand-alone course. *Recommended Prerequisite:* Principles of Trade and Industry. (13006000) (YAPH11) (ATC)

Pipefitting Technology I, Grades 10-12, 1 Credit [Weighted Credit]

Students will learn the types of work performed, responsibilities and career opportunities within the industry, and safety principles associated with pipefitting. Additionally, students will learn care, selection, and use of hand and power tools, ladder and scaffold safety, and all associated hazards. Oxyfuel cutting and associated safety procedures will be reinforced. Students will learn the maintenance, operation, and safety of motorized equipment. This course must be taken concurrently with Plumbing Technology I and cannot be taken as a stand-alone course. *Prerequisites:* Algebra I and Geometry or concurrently enrolled in geometry. *Recommended Prerequisite:* Principles of Trade and Industry. (N1300425) (YAFH11) (ATC)

Plumbing Technology II, Grades 11-12, 2 Credits [Weighted Credit]

In Plumbing Technology II, students will gain the advanced knowledge and skills needed to enter the industry as a plumber apprentice, building maintenance technician, or supervisor or prepare for a postsecondary degree in mechanical engineering. Students will acquire knowledge and skills in plumbing codes, industry workplace basics, and employer/customer expectations, including tool and job site safety, advanced plumbing mathematics, commercial drawings, basic electricity, hanger installation, supports and structural penetrations, roof drains, fixture installation, valves and faucets, and oxy-fuel safety. Students will also learn about setup, cutting, brazing and welding water system sizing; gas, drain, waste and vent installation and testing; and water heater installation. *Prerequisites:* Plumbing Technology I. (13006100) (YAPH21)

Practicum and Extended Practicum in Plumbing Technology, Grade 12, 2-3 Credits [Weighted Credit]

This Practicum course provides classroom technical instruction and on-the-job training experiences as a paid or unpaid apprentice in plumbing. Students shall be awarded two credits (minimum of 10 hours per week) for successfully completing the Practicum course or three credits (minimum of 15 hours per week) for successfully completing the Extended Practicum course. Students will be able to test for the Tradesman Plumber Limited License upon completion of the program of study. *Prerequisites:* Plumbing Technology II. (13005250) (YAPH81—2 credits) (13005255) (YAPH91—3 credits)

Heating, Ventilation, Air Conditioning (HVAC) and Refrigeration Technology I, Grade 10-12, 1 Credit

In Heating, Ventilation, and Air Conditioning and Refrigeration Technology I, students will gain knowledge and skills needed to enter the industry as technicians in the HVAC and refrigeration industry or building maintenance industry, prepare for a postsecondary degree in a specified field of construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, principles of HVAC theory, use of tools, codes, and installation of HVAC and refrigeration equipment. This course must be taken concurrently with Sheet Metal Technology. *Recommended prerequisite:* Principles of Trade and Industry (13005800) (YHVC11)

Sheet Metal Technology, Grade 10-12, 1 Credit

The purpose of the Sheet Metal Technology course is to prepare students in grades 11- 12 for entry into the HVAC/Mechanical sheet metal installation industry. Students will learn the types of work performed, safety requirements, math skills needed and career path options within the sheet metal trades. Additionally, students will learn and apply the knowledge and skills needed to select the proper material, tools and joining methods for various types of HVAC and exhaust systems. Basic code requirements and Sheet Metal and Air Conditioning Contractors' National Association (SMACNA) design principles will be introduced. *Recommended prerequisite:* Principles of Trade and Industry. This course must be taken concurrently with HVAC 1. (N1300430) (YAMT11)

Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II 2.0 credits, Grades 11-12

Prerequisite: Heating, Ventilation, and Air Conditioning I. In Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II, students will gain advanced knowledge and skills needed to enter the industry as HVAC and refrigeration technicians or building maintenance technicians or supervisors, prepare for a postsecondary degree in a specified field of construction or construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, use of tools, codes, installation of commercial HVAC equipment, heat pumps, troubleshooting techniques, various duct systems, and maintenance practices. (13005900) (YHVC21)

Practicum and Extended Practicum in Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology, Grade 12, 2-3 Credits

Prerequisite: Heating, Ventilation, and Air Conditioning I and II This practicum course provides classroom technical instruction and on-the-job training experiences as a paid or unpaid intern in HVAC. Students shall be awarded two or three credits for successfully completing the Practicum course. (13005250) (YHVC31) (13005255) (YHVC41)

Career and Technical Education

Arts, Audio/Video Technology, & Communications Cluster

Graphic Design & Media Arts

Courses Starting in 9th Grade

Digital Media <small>Grades 9-12 1 Credit</small>	Video Game Design I <small>Grades 9-12 1 Credit</small>
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Courses Starting in 10th Grade

Video Game Design II <small>Grades 10-12 1 Credit (W)</small>	Fashion Design I <small>Grades 10-12 1 Credit (W)</small>
Animation I <small>Grades 10-12 1 Credit (W)</small>	Graphic Design & Illustration I <small>Grades 10-12 1 Credit (W)</small>
3-D Modeling & Animation <small>Grades 10-12 1 Credits (W)</small>	Commercial Photography <small>Grades 10-12 1 Credit (W)</small>

Advanced Courses with Prerequisites

Video Game Design III <small>Grades 11-12 1 Credit (W)</small>	Fashion Design II <small>Grades 11-12 1 Credit (W)</small>
Animation II <small>Grades 11-12 2 Credits (W)</small>	Graphic Design & Illustration II <small>Grades 11-12 2 Credits (W)</small>
Advanced 3-D Modeling & Animation <small>Grades 11-12 2 Credits (W)</small>	Practicum in Fashion Entrepreneurship <small>Grade 12 2 Credits (W)</small>
Practicum in Graphic Design & Illustration <small>Grade 12 2-3 Credits (W)</small>	Practicum in Modeling & Animation <small>Grade 12 2-3 Credits (W)</small>

Industry Based Certifications

- Adobe Certified Professional: Photoshop
- Adobe Certified Professional: Illustrator
- Adobe Certified Professional: Animate
- Unity Certified User: Programmer

Digital Communications

Audio/Video Production & Lab I

Grades 9-12
2 Credits (W)

Digital Audio Production I

Grades 10-12
1 Credit

Digital Audio Production II

Grades 10-12
1 Credit

Audio/Video Production & Lab II

Grades 10-12
2 Credits (W)

Practicum in AV Production I

Grades 11-12
2 Credits (W)

Practicum in AV Production II

Grade 11-12
2-3 Credits (W)

Industry Based Certifications

- Adobe Certified Professional: Premier Pro
- NOCTI Digital Video Production Foundations
- Part 107 Remote Pilot Certificate (Drone Pilot)

W = Weighted Credit

- Level 1 Course
- Level 2 Course
- Level 3 Course
- Level 4 Course

Digital Media, Grades 9-12, 1 Credit [Weighted Credit]

This course focuses on analyzing and assessing current and emerging technologies while designing and creating multimedia projects that address customer needs and resolve a problem. Students will create projects and learn to use a variety of software. Digital cameras and video cameras will be incorporated into this course. Students enhance reading, writing, computing, communication, and critical thinking skills and apply them to the information technology environment. (13027800) (YIDH11)

Video Game Design I, Grades 9-12, 1 Credit [Weighted Credit]

Students will design, program, and create a functional video game. The course will introduce basic programming language and skills that are essential to developing a video game. Topics covered are math, physics, design, and computer programming. (13009970) (YTDH11)

Video Game Design II, Grades 10-12, 1 Credit [Weighted Credit]

Students will dive into the inner workings of a fully functional role-playing game (RPG) by customizing playable characters, items, maps, and chests, and eventually applying customizations with 3-D game worlds and innovative technology. *Prerequisite:* Video Game Design I. (N1300994) (YTDH21)

Video Game Design III, Grades 11 -12, 1 Credit [Weighted Credit]

Video Game Design III is a course intended to follow successful enrollment in VGD 2. Students in this course will explore the design, coding and marketing of mobile games. Students will learn about designing for different mobile platforms and will discuss unique issues relevant to mobile gaming including pricing, marketing, and distribution. *Prerequisite:* Video Game Design II. (N1300995) (YTDH31)

Fashion Design I, Grades 10-12, 1 Credit

This course is designed to give students an overview of the apparel design industry. Students will be introduced to the history of fashion, careers relative to the fashion industry, the design process, beginning apparel construction, marketing of fashion apparel, and to the fashion business. (13009300) (YTFR11)

Fashion Design II, Grades 11-12, 1 Credit [Weighted Credit]

Careers in fashion span all aspects of the textile and apparel industries. In addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of fashion, with emphasis on design and production. The lab is offered in a consecutive block with Fashion Design I to allow students sufficient time to master the content of both courses. *Prerequisite:* Fashion Design I. (13009410) (YTFR21)

Practicum and Extended Practicum in Fashion Design, Grade 12, 2 Credits [Weighted Credit]

This Practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in Fashion Design. Students shall be awarded two credits for successful completion of the Practicum. *Prerequisite:* Fashion Design II. **Transportation may be needed.** (13009500) (YTFH81—2 credits)

Animation I, Grades 10-12, 1 Credit [Weighted Credit]

Using Adobe Animate, Photoshop, Audition and GarageBand, students will learn to animate in a 2D environment. Students will use iMacs as they learn to work in another operating system. The class will explore various careers, create storylines and animations that sell, tell a story, or inspire. This course focuses on developing technical and knowledge skills based in the animation industry. (13008300) (YTAH11) (ATC)

Animation II and Lab, Grades 11-12, 2 Credits [Weighted Credit]

Animation II focuses on creating art and sharing it. Students will participate in local district contests and have the opportunity to go to state competition. Students will develop advanced skills to prepare them for the workforce as well as research careers in the animation industry. Students prepare to earn the Adobe Certified Associate Animate in this course. *Prerequisite:* Animation I. (13008410) (YTAH21) (ATC)

Practicum and Extended Practicum in Animation, Grade 12, 2-3 Credits [Weighted Credit]

This Practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in Animation. Students will be working with clients to produce real world animations or graphics. Students shall be awarded two credits for successful completion of the Practicum. *Prerequisite:* Animation II. (13008450) (YTAH81—2 credits) (13008455) (YTAH91—3 credits) (ATC)

Graphic Design and Illustration I, Grades 10-12, 1 Credit [Weighted Credit]

Students in this course will learn the latest interactive technologies for an ever-changing digital world. In Photoshop, students manipulate images to make photo magic. Illustrator allows students to draw detailed pictures. By the end of the course using InDesign, students have an online portfolio that demonstrates their capability to design and build highly innovative digital interfaces. Students receive a foundation needed to start their career and specialize in desired areas of Graphic Design. (13008800) (YTGH21) (ATC)

Graphic Design and Illustration II and Lab, Grades 11-12, 2 Credits [Weighted Credit]

This course is designed to take intermediate level students to proficiency in Adobe Photoshop and Illustrator. This lab is offered in a consecutive block with Graphic Design and Illustration II to allow students sufficient time to master the content of both courses. Students prepare to earn the Adobe Certified Associate Photoshop in Graphic Design & Illustration II course. *Prerequisite:* Graphic Design & Illustration I. (13008910) (YTGH41) (ATC)

Practicum and Extended Practicum in Graphic Design and Illustration, Grade 12, 2-3 Credits [Weighted Credit]

This Practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in Graphic Design and Illustration. Students shall be awarded two or three credits for successful completion of the Practicum. *Prerequisite:* Graphic Design and Illustration I, Graphic Design and Illustration II, and Graphic Design and Illustration II Lab. **Transportation required.** (13009000) (YTGH81—2 credits) (13009005) (YTGH91—3 credits) (ATC)

Commercial Photography I, Grades 10-12, 1 Credit [Weighted Credit]

Careers in commercial photography require skills that span all aspects of the industry from setting up a shot to delivering products in a competitive market. The role of the photographer in our world is a powerful one. The photographer documents our human journey, informs us, captures our essence and fills our world with his or her creations. The world of photography is also constantly evolving. To be successful, one must combine a visual flair with the proficiency needed to master the advanced technological changes this field is continually experiencing. Students will develop an understanding of the commercial photography industry with a focus on creating quality photographs. (13009100) (YTBH11) (ATC)

3-D Modeling & Animation, Grades 10-12, 1 Credit [Weighted Credit]

This course satisfies the high school fine arts graduation requirement.

3-D Modeling and Animation consists of computer images created in a virtual 3-dimensional environment. 3D Modeling & Animation has applications in many careers, including criminal justice, crime scene, and legal applications; engineering and design; and the movie and game industries. Students in this course will produce various 3D models of real-world objects. (03580510) (YMAH11) (ATC)

Advanced 3-D Modeling & Animation, Grades 11-12, 2 Credits [Weighted Credit]

Using Maya software, this course teaches intermediate skills which will be used to create a series of project-based lessons designed to guide students through the process of creating and generating animation. This course builds on the modeling skills learned in the beginning course and teaches students how to texture map, add visual effects, animate, and render. Topics include detailed modeling, editing at the vertex and face levels, and development of complex materials. Students prepare to earn the Autodesk Maya Certification. *Prerequisites:* 3-D Modeling & Animation. (13008450) (YIND31) (ATC)

Practicum in 3-D Modeling, Grade 12, 2 Credits [Weighted Credit]

This course is project-based for students who will document creative research on social causes important to them with clearly defined goals. A proposal will be submitted for approval. Research will be recorded and weekly reports will be written demonstrating findings and understanding of the topic. Students will increase their knowledge over the topic and demonstrate growth and effective decision making. Students will demonstrate time management in meeting deadlines and provide quality work. There will be a final presentation given to a committee of professionals. *Prerequisite:* Advanced 3D Modeling and Animation. (13008460) (YIND41) (ATC)

Audio/Video Production I and Lab, Grades 9-12, 2 Credits [Weighted Credit]

Using industry standard audio and video equipment and techniques, students will focus on learning to write, shoot, and edit their own videos. Students will have the opportunity to work in a state-of-the-art TV studio and mobile production truck. Students will learn to create content for various aspects of the media industry including; broadcast news and sports, film and social media. Students will get an introduction to the Drone Industry and the possibilities of getting a Commercial Drone License. At the completion of the course, students will have created a variety of videos and their own Podcast. Classes are taught by Lubbock ISD-TV staff members.

The lab will be taught concurrently with Audio/Video Production I and may not be taken as a stand-alone course. Students prepare to earn the Adobe Certified Associate Premiere Pro Certification. (13008510) (YTVH11) (DC: YTVD11) (ATC/LISD TV)

Digital Audio Technology I, Grades 10-12, 1.0 credit (offered first semester)

Prerequisite: Audio/Video 1 (Course MUST be paired with Digital Audio Technology II). Digital Audio Technology I was designed to provide students interested in audio production careers such as audio for radio and television broadcasting, audio for video and film, audio for animation and game design, music production and live sound, and additional opportunities and skill sets. Students will be expected to develop an understanding of the audio industry with a technical emphasis on production and critical-listening skills. (13009950) (YDAR11) (ATC/LISD TV)

Digital Audio Technology II, 1.0 credit (offered second semester), Grades 10-12

Prerequisite: Audio/Video 1 (Course MUST be paired with Digital Audio Technology II) Digital Audio Technology II was designed to provide additional opportunities and skill sets for students interested in audio production careers such as audio for radio and television broadcasting, audio for video and film, audio for animation and game design, and music production and live sound. (13009960) (YDAR21) (ATC/LISD TV)

Audio/Video Production II and Lab, Grades 10-12, 2 Credits [Weighted Credit]

Students will learn script writing, producing, directing, audio, post-production, and cinematography techniques. Students will also work on individual and group projects including feature stories, documentaries, PSA's, sitcoms, and short films. Students will also learn to fly drones, preparing to get their Commercial Drone Pilot license. Students will also get the opportunity to produce their own Podcast. Students will work with lighting, video cameras, DSLR cameras, jibs, editing software, and other production equipment. In addition, students will expand their knowledge of video production with a creative twist. Students will learn advanced methods of shooting, lighting, sound acquisition and editing. Students will learn how to create video content from concept to completion for broadcast, web and digital distribution. Students will participate in local and national contests. The class is taught at Lubbock ISD-TV. *Prerequisite:* Audio/Video Production I and Lab. Must have made progress towards passing the Adobe Certified Associate Premiere Pro Certification taken during Audio/Video Production I. (13008610) (YTVH21) (DC: YTVD21) (ATC/LISD TV)

Practicum and Extended Practicum in Audio/Video Production, Grades 11-12, 2-3 Credits [Weighted Credit]

This Practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the creative and storytelling field. This course is a continuation of advanced techniques with emphasis on independent projects. Students are expected to serve in a leadership capacity as they prepare for entry into college coursework and broadcast careers. This course takes place at LISD-TV studio and learners are mentored by LISD-TV staff. Students shall be awarded two or three credits for successful completion of the Practicum. A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills. Students may choose to take the Extended Practicum for one additional credit.

This course must be taken concurrently with the Practicum course. *Prerequisites:* Audio/Video Production II and Lab. *Recommended Prerequisite:* Successful completion of the Adobe Certified Associate Premiere Pro test taken during Audio/Video Production II. **Transportation may be needed.**

First Time Taken: (13008700) (YTVH81—2 credits) (DC: YTV81) (13008705) (YTVH91—3 credits)
Second Time Taken: (13008710) (YTVH82) (13008715) (YTVH92) (ATC/LISD TV)

Career and Technical Education

Business, Marketing & Finance Cluster



W = Weighted Credit

Level 1 Course
 Level 2 Course
 Level 3 Course
 Level 4 Course

Principles of Business, Marketing and Finance, Grades 9-10, 1 Credit

This introductory course teaches fundamental concepts of business, marketing, and finance to prepare students for careers in the business/marketing industry. Students will learn about sales, international business, economics, advertising, distribution, pricing, finance, budgeting and more. The student will engage in a variety of interactive class activities and projects which directly relate to the business industry. Participation in a co-curricular organization, such as DECA or FBLA is highly encouraged. (13011200) (YBBR11)

Social Media Marketing Grades 10-12, 1/2 Credit

Social Media Marketing is 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. 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. Students will earn the *StuKent* Social Media Certification. *Recommended Prerequisite:* Principles of Business, Marketing, and Finance. *Recommended co-requisite:* Sports and Entertainment Marketing. (13034650)(YKSR10)

Sports and Entertainment Marketing, Grades 10-12, 1/2 Credit

This interactive business course will help students develop a thorough understanding of the marketing concepts and theories that apply to sports and entertainment events. Areas of focus will include target marketing, sponsorships and endorsements, event and promotional planning, stadium logistics and sports marketing plans. This course will also include elements of team creation and entertainment events such as concerts and award shows. The course is especially applicable to those interested in sports management, business, sales, or the music/movie industry. *Recommended Prerequisite:* Principles of Business, Marketing, and Finance. *Recommended co-requisite:* Social Media Marketing.(13034600)(YKTR10)

Marketing, Grades 10-12, 1 Credit

Marketing explores the seven core functions of marketing which include: marketing planning – why target market and industry affect businesses; marketing-information management – why market research is important; pricing – how prices maximize profit and affect the perceived value; product/service management – why products live and die; promotion – how to inform customers about products; channel management – how products reach the final user; and selling – how to convince a customer that a product is the best choice. 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. Participation in a co-curricular organization, such as DECA or FBLA is highly encouraged. *Highly recommended prerequisite:* Principles of Business, Marketing, and Finance. (N1303424)(YKMR10)

Accounting I, Grades 10-12, 1 Credit [Weighted Credit]

Students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of planning, recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate and interpret financial information for use in management decision making. *Recommended Prerequisite:* Principles of Business, Marketing, and Finance. (13016600) (YFAH11) (DC: YFAD11)

Accounting II, Grades 11-12, 1 Credit [Weighted Credit]

This course satisfies a math credit requirement

Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making. Students may earn an Industry Certification in QuickBooks Certified User. *Prerequisite:* Accounting I. (13016700) (YFAH21) (DC: YFAD21)

Financial Mathematics, Grades 10-12, 1 Credit

This course satisfies a math credit requirement.

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. Students will learn about budgeting, credit, insurance, and how to make smart financial decisions. *Prerequisite:* Algebra I. (13018000) (YFFR11)

Business Management, Grades 10-12, 1 Credit

Business Management is designed to familiarize students with the concepts related to business management as well as the functions of management, planning, organizing, staffing, leading, and controlling. Students will also demonstrate interpersonal and project-management skills. This course is designed to get students excited about becoming entrepreneurs or future business owners. *Highly Recommended Prerequisite:* Principles of Business, Marketing, or Finance (or) any Business course. (13012100) (YBIH10)

Business Information Management I, Grades 9-12, 1 Credit [Weighted Credit]

Business Information Management I is the perfect business technology course for high school students. Learners in this course will learn concepts related to communication, finance, databases and general business management. This computer lab based course helps students improve their typing skills, working knowledge of computers, and ability to select the appropriate productivity software for every business office need. Students may earn one or more Microsoft Office Specialist certifications. (13011400) (YBIH11) (DC: YBID11)

Business Information Management II, Grades 10-12, 1 Credit [Weighted Credit]

In this advanced course, students continue the process of implementation of personal and interpersonal skills and apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software. Students may continue earning Microsoft Office Expert level certifications. *Prerequisite:* Business Information Management I. (13011500) (YBIH21)

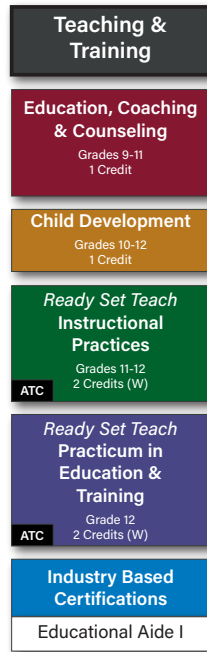
Practicum in Entrepreneurship, Grade 12, 2 Credits

The Practicum in Entrepreneurship course provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, while expanding their skill sets and professional relationships as a real or simulated business owner. Students will prepare for a business career in their area of interest and apply the knowledge and skills gained from previous business, marketing or finance courses taken. Practicum experiences occur in a paid or unpaid internship and a variety of locations appropriate to the nature and level of the student's need for work-based learning experience. Students implement personal and interpersonal skills to strengthen performance in the workplace. It is recommended that students are paired with local business owners or employers in their specific industry program of study.

Transportation may be needed. *Prerequisite:* A previous business course is required prior to enrolling in a Practicum experience. (N1303425) (YKER21)

Career and Technical Education

Education & Training Cluster



The "Ready Set Teach" Guarantee

For students participating in Teaching & Training:

1. Reach your 18th Birthday
2. Graduate High School
3. Earn a 70 or better instructional Practices
4. Earn a 70 or better in Practicum in Education & Training

Lubbock ISD will certify the student as an Educational Aide I. "Ready Set Teach" graduates are guaranteed a position within Lubbock ISD.

W = Weighted Credit

Level 1 Course
 Level 2 Course
 Level 3 Course
 Level 4 Course

Education, Coaching, & Counseling, Grades 9-11, 1 Credit

This course is a fun introduction to careers in the field of education. Students will learn about lesson planning, effective teaching and coaching strategies, working with families and special services departments and more. Learning is hands-on through projects, classroom observations, tutoring for elementary age students, and community service projects. (13014200) (YEER11)

Child Development, Grades 10-12, 1 Credit

This technical laboratory course addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children. (13024700) (YPVR11)

Instructional Practices in Education and Training (*Ready Set Teach*), Grades 11-12, 2 Credits [Weighted Credit]

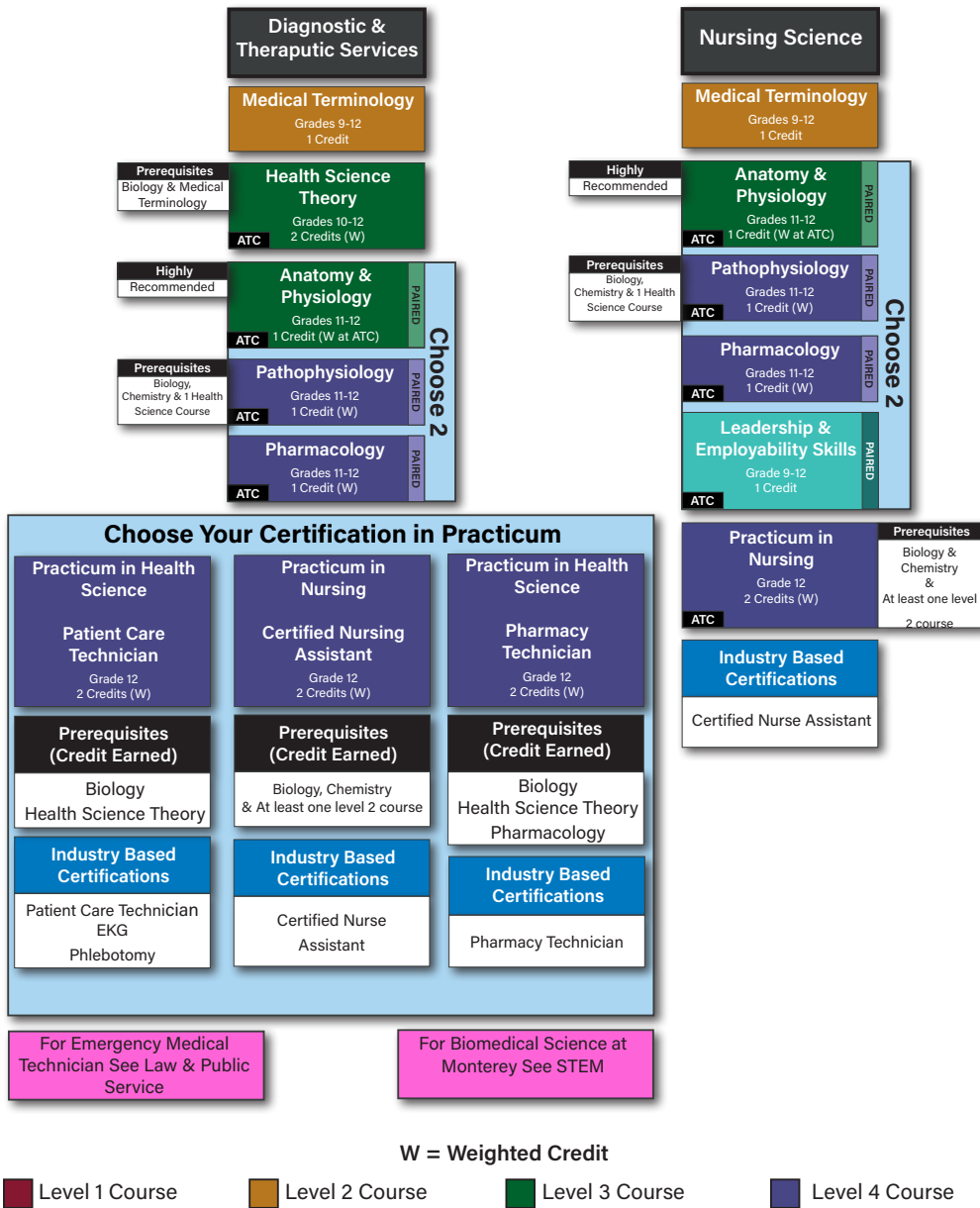
This field-based practicum provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators or trainers in direct instructional roles with elementary students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel. *Recommended prerequisites:* Principles of Education and Training or Child Development. (13014400) (YEIH11) (ATC)

Practicum in Education and Training (*Ready Set Teach*), Grade 12, 2 Credits [Weighted Credit]

Practicum in Education and Training is a field-based practicum that provides students background knowledge of child and adolescent development principles, as well as, principles of effective teaching and training practices. Students in this course work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel. Students may earn the Educational Aide I Certification. *Prerequisite:* Instructional Practices in Education and Training. (13014500) (YEEH31) (ATC)

Career and Technical Education

Health Science Cluster



Medical Terminology, Grades 9-12, 1 Credit

This course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology. This is a required pre-requisite course for Health Science Theory. (13020300) (YSTR11)

Health Science Theory/Health Science Clinical, Grades 10-12, 2 Credits [Weighted Credit]

The Health Science Theory course introduces skills related to a wide variety of health careers. Students will learn hands-on skills and introductory concepts needed to pursue a career in the healthcare industry. Students are expected to demonstrate professional and employability skills. *Prerequisite: Biology and Medical Terminology.* (13020410) (YSHH61) (ATC)

Anatomy and Physiology, Grades 11-12, 1 Credit [Regular-HS Campus] [Weighted Credit-ATC]

This course satisfies a science credit requirement.

Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Students will learn the various body systems and engage in hands-on learning activities, including dissections. Students are expected to use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. *Prerequisites: Biology and one additional science course (IPC, Physics or Chemistry).* (13020600) (YSAR11-HS Campus) (YSAH11-ATC)

Leadership and Employability Skills, Grades 9-12, 1 Credit

Students will learn to apply their talents and passions to career exploration, and learn critical interpersonal skills necessary to thrive in the workplace and beyond. In addition, students will tap their inner leadership potential and learn how to empower peers and colleagues to establish a culture of success. Topics included are: interview and presentation skills, listening skills, using feedback, managing emotions in the workplace, resume writing, digital etiquette, networking, leading projects and teams, mentoring, coaching, group dynamics, meeting management, decision making, and overall workplace communication. This course is specifically recommended for health science and future nursing students. (N1270153) (YLES11) (ATC)

Pharmacology, Grades 11-12, 1 Credit [Weighted Credit]

The Pharmacology course is designed to study how natural and synthetic chemical agents, such as drugs, affect biological systems. Students will be introduced to drug types, drug interactions, and essential vocabulary in the healthcare industry. *Prerequisites: Biology and Chemistry.* (13020950) (YSHR41) (ATC)

Pathophysiology, Grades 11-12, 1 Credit [Weighted Credit]

This course satisfies a science credit requirement.

Students in Pathophysiology study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease, causes, signs and symptoms, and diagnostic tests. Students will differentiate between normal and abnormal physiology. *Prerequisites: Biology, Chemistry, and at least one Level 2 health Science Course.* (13020800) (YSPH11) (ATC)

Practicum in Nursing: Certified Nurse Assistant, Grade 12, 2 Credits [Weighted Credit]

This course will prepare students to become a Certified Nursing Assistant. Students will participate in clinical rotations and be expected to maintain the highest level of professionalism (including well groomed hair and nails). Additional records and documentation are required to participate. (State ID, vaccinations, HIPPA training, etc.) Students will participate in both classroom and facility-based training. Students may earn the Certified Nurse Assistant certification. *Prerequisites: 1 credit Biology, 1 credit in Chemistry and at least one of the following: Anatomy & Physiology, Pathophysiology, Pharmacology, Medical Terminology or PLTW Human Body Systems.* (13021230) (YSHH91) (ATC)

Practicum in Health Science: Certified Patient Care Technician, Grade 12, 2 Credits [Weighted Credit]

The Certified Patient Care Technician (CPCT) program is designed to prepare students for the national certification exam. This is a rigorous course for those interested in a future healthcare career. Students will learn through experience in the classroom, online study, skills laboratory, and clinical rotation. While training, the student will also learn phlebotomy and EKG skills. Additional paperwork, health screenings, and background checks are required for clinical rotations. *Prerequisites: Biology and Health Science Theory.* (13020500) (YSHH71) (ATC)

Emergency Medical Technician Basic, Grade 12, 2 Credits [Weighted Credit]

This course will prepare students to become a certified Emergency Medical Technician (EMT). The course includes the skills necessary for a student to provide pre-hospital emergency medical care, life support, and ambulance service. The EMT Basic course is an introduction to the concepts, knowledge, and skills needed by EMTs in the areas of communications, transportation, and record keeping. This is a dual credit course through South Plains College. Students must be TSI compliant and at least 17 years old to ride on the ambulance. This is a rigorous, hands-on course that requires professionalism and life-saving skills. It is expected that all students will test for certification. *Required Prerequisite: Biology. Recommended prerequisites: Anatomy and Physiology, Disaster Response.* **Transportation is required to clinical sites.** (N1303015) (DC:YLTD11).

Practicum in Health Science: Pharmacy Technician, Grade 12, 2 Credits [Weighted Credit]

This course prepares students for entry-level pharmacy technician positions as well as provides important background information for those with interest in the medical industry. Through this intense course students will register with the State Board of Pharmacy, be fingerprinted and get a DEA background check, complete 240 hours of curriculum training, participate in clinical or observation experiences, and prepare for the Certification of Pharmacy Technicians Exam (ExCPT). Students may take the exam 30 days prior to high school graduation and no later than 60 days after graduation. Students MUST be 18 to take the qualifying exam. Exam costs are provided by Lubbock ISD. Appropriate clinical attire is expected when working in a pharmacy setting. A state issued photo ID is required for all official background check procedures. Students may earn a certification in Pharmacy Technician. *Prerequisites: Biology, Health Science Theory and Pharmacology (may be taken concurrently).* (13020500) (YSHH31) (ATC)

Career and Technical Education

Hospitality & Tourism Cluster



W = Weighted Credit

■ Level 1 Course

■ Level 2 Course

■ Level 3 Course

■ Level 4 Course

Introduction to Culinary Arts, Grades 9-10, 1 Credit

This course will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into food production skills, various levels of industry management, and hospitality skills. This is an entry-level course for students interested in pursuing a career in the food service industry. Students may earn the ServSafe Food Handlers Certification. (13022550) (YHCR11)

Culinary Arts, Grades 10-12, 2 Credits [Weighted Credit]

In this course, students learn the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. *Prerequisites:* Introduction to Culinary Arts (or) proof of Food Handlers Certification (13022600) (YHCH21)

Advanced Culinary Arts, Grades 11-12, 2 Credits [Weighted Credit]

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. Students may earn the ServSafe Manager certification. *Prerequisite:* Culinary Arts (13022650) (YHCH31) (ATC)

Practicum and Extended Practicum in Culinary Arts, Grade 12, 2-3 Credits [Weighted Credit]

This Practicum course is a paid or unpaid internship that provides specific opportunities for students to participate in a work-based learning experience that combines classroom instruction with actual business and industry training. Students may be involved in catering, restaurant management or part-time employment in the food-service industry. *Prerequisite:* Advanced Culinary Arts (13022700) (YHCH81—2 credits) (13022705) (YHCH91—3 credits) (ATC)

Career and Technical Education

Human Services Cluster

Family & Community Services

Principles of Human Services
Grades 9-10
1 Credit

Interpersonal Studies
Grades 9-12
1 Credit

Lifetime Nutrition & Wellness
Grades 9-12
1 Credit

Child Development
Grades 10-12
1 Credit

Counseling & Mental Health*
Grades 10-12
1 Credit

Practicum in Human Services
Grades 11-12
2 Credits (W)

*Counseling & Mental Health is also offered at the ATC.

Cosmetology & Personal Care Services

Introduction to Cosmetology & Cosmetology I
Grade 11
1 Credit
3 Credits

Cosmetology II
Grade 12
3 Credits (W)

Industry Based Certifications
Cosmetology Operator License

Learning Locations for Cosmetology Students	
Lubbock High School Lab	Monterey High School Lab
Lubbock High	Monterey
Estacado	Coronado
Talkington	Matthews
Matthews	

Transportation to Cosmetology Labs is provided.

W = Weighted Credit

■ Level 1 Course

■ Level 2 Course

■ Level 3 Course

■ Level 4 Course

Students who pursue Family and Community Services courses are encouraged to join the student organization Family, Career, and Community Leaders of America (FCCLA). This collaborative, competitive and community-based organization encourages leadership development and career readiness. This student organization also encourages strong relationships.

Principles of Human Services, Grades 9-10, 1 Credit

This hands-on course will enable students to investigate careers in the Human Services Career Cluster, including counseling and mental health, early childhood development, family and community, and personal care services. (13024200) (YPHR11)

Interpersonal Studies, Grades 9-12, 1/2 Credit

This course examines how the relationships between peers, individuals, and family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services. *Recommended Prerequisite:* Principles of Human Services or Principles of Education and Training. (13024400) (YPIR10)

Lifetime Nutrition and Wellness, Grades 9-12, 1/2 Credit

Students interested in learning how to improve their health should take Lifetime Nutrition & Wellness. Students will learn how to create nutrition and health goals to become healthier and make meaningful, permanent lifestyle changes. In this course, students will learn how to make healthy snacks and meals in the food lab. *Recommended Prerequisite:* Principles of Human Services. (13024500) (YPNR10)

Child Development, Grades 10-12, 1 Credit

This interactive course addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children. *Recommended Prerequisite:* Principles of Human Services. (13024700) (YPIR11)

Counseling and Mental Health, Grades 10-12, 1 Credit

Students model the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Students are expected to apply knowledge of ethical and legal responsibilities, limitations, and the implications of their actions. Professional integrity in counseling and mental health care is dependent on acceptance of ethical and legal responsibilities. *Recommended prerequisite: Principles of Human Services.* (13024600) (YPHR31-Campuses) (YPHR41-ATC)

Practicum and Extended Practicum in Human Services, Grades 11–12, 2-3 Credits [Weighted Credit]

Practicum in Human Services provides an opportunity for students to participate in paid or unpaid work-based learning experiences related to consumer education, early childhood development, nutrition, counseling and mental health or family and community services. Students must maintain the highest level of professionalism for this course. **Transportation may be needed.** (13025000—2 credits) (YCHP31) (13025005—3 credits) (YCHP41)

Introduction to Cosmetology, Grade 11, 1 Credit

In Introduction to Cosmetology, students explore careers in the cosmetology industry and begin to earn hours towards state licensing requirements. To prepare for success, students must have academic and technical knowledge and skills relative to the industry. This course **MUST** be paired with Cosmetology I. (13025100) (YPMR11)

Cosmetology I and Lab, Grade 11, 3 Credits

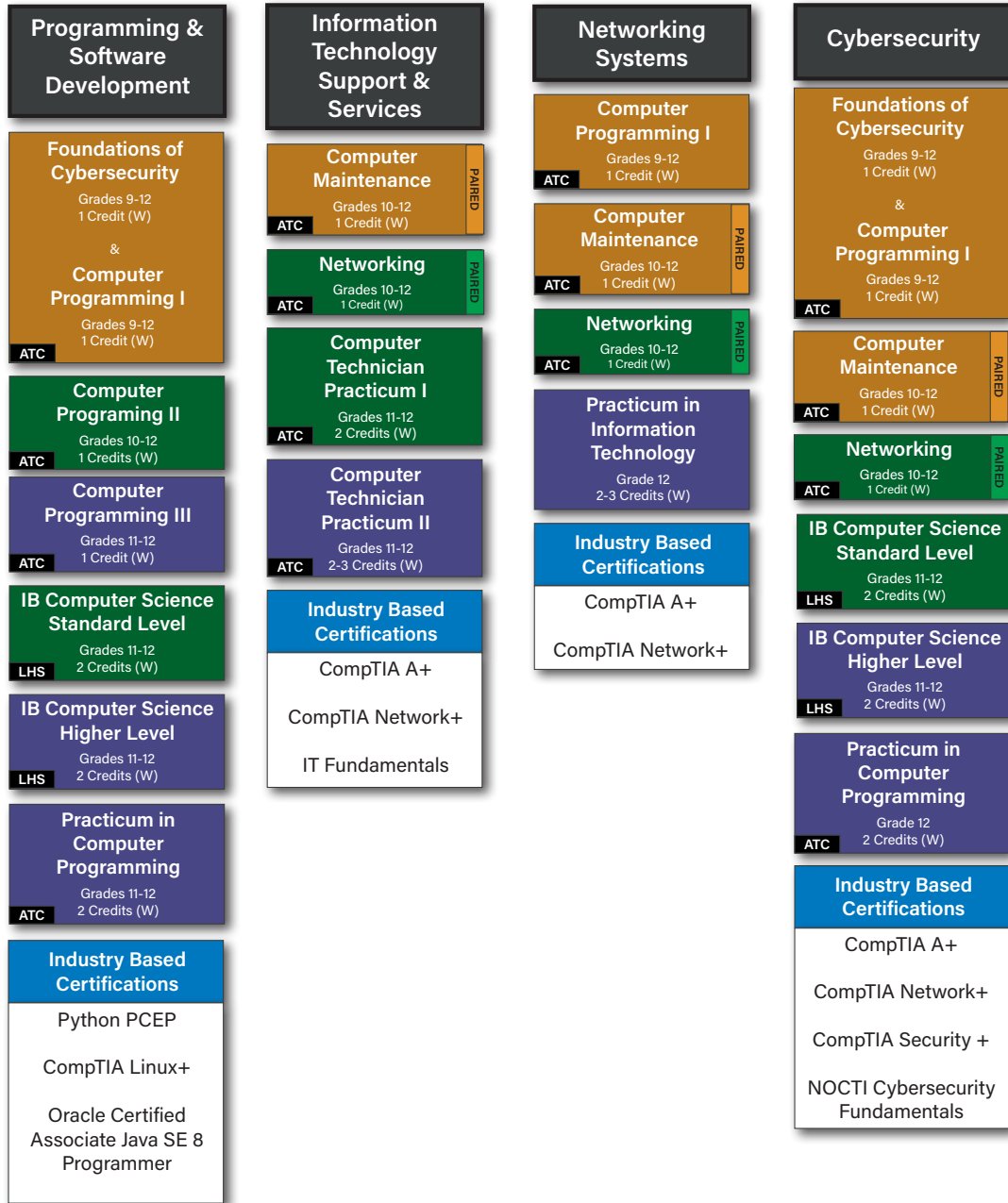
Cosmetology I integrates academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation (TDLR) requirements for licensure upon passing the state examination. Students will be expected to demonstrate mastery in conducting the skills and techniques learned in this course with little to no guidance. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included. All students who complete a spring interest form will be considered in the applicant pool. If student interest exceeds course availability, a random draw for spots will be conducted. (13025210) (YPYR11) (LHS & EHS attend Lubbock High School) (MHS & CHS attend Monterey High School)

Cosmetology II and Lab, Grade 12, 3 Credits [Weighted Credit]

In this course students will demonstrate proficiency in academic, technical, and practical knowledge and skills. The content is designed to provide the occupational skills required for licensure. Instruction includes advanced training in professional standards/employability skills; Texas Department of Licensing and Regulation (TDLR) rules and regulations; use of tools, equipment, technologies, and materials; and practical skills. Students are expected to develop proficient and mastery level work samples and to expand their work experiences. After earning 1,000 supervised hours and 500 academic hours, students must graduate and may test and must graduate to earn their cosmetology license. *Prerequisite:* Cosmetology I and Lab. (13025310) (YPYH21)

Career and Technical Education

Information Technology Cluster



W = Weighted Credit

Level 1 Course
 Level 2 Course
 Level 3 Course
 Level 4 Course

Computer Programming I, Grades 9-12, 1 Credit

Prerequisite or Corequisite: Algebra I

Computer Programming I is an exciting, hands-on course where students design, code, test, and market their own computer applications. Student innovators and makers in this beginner course identify real problems in their community and beyond they can address with an application. Students will code, create apps, design graphical interfaces, search for bugs, troubleshoot, test their apps and much more. Topics will include computational thinking, flow-charting, tasks and sub-tasks, coding with high-demand languages, coding basics and more. This course will also provide an introduction to important topics like Cybersecurity and AI in Society. **This course must be paired at the ATC with Foundations of Cybersecurity.** ATC (03580200) (YIPH11)

Foundations Cybersecurity, Grades 9-12, 1 Credit [Weighted Credit]

Prerequisites: None

Cybersecurity involves safeguarding computers, networks, programs, and data from unauthorized access. Cybersecurity professionals prevent, detect, and respond to threats on a daily basis. In this course, students will learn ethics, laws, and operations of cybersecurity while participating in hands-on, live, “capture the flag” competitions. This course helps provide a solid foundation in Information Technology learning and is **paired with Computer Programming I.** (03580850) (YFCH11) (ATC)

Computer Programming II, Grades 10-12, 1 Credit [Weighted Credit]

Prerequisites: Algebra I and Computer Programming I

In Computer Programming II students elevate their skills in coding and application design by adding new skills and experiences. Students will continue to design programs and applications that solve real world problems while learning new concepts such as object-oriented programming, inheritance, data structuring, data abstraction, importing data, sorting algorithms and more. Topics will also include High Performance Computing, Ethical Practices in Information Technology (IT) and Careers in IT. This ATC course should be blocked with another 1 credit course from the Information Technology for the best program of study. (03580300) (YIPH21)

Computer Programming III Grades 11-12, 1 Credit [Weighted Credit]

Prerequisites: Computer Programming II

In Computer Programming III students continue to add to their coding and application design skill set by diving into data structures and algorithms. Students will work frequently in design teams of three or more students to solve complex problems with industry app design models and iterative development. New skills will include single and multidimensional arrays, stacks, heaps, queues, trees, linked data structures, operating system scripts and more. Topics will also include a guide to internships for information technology students, industry based certification opportunities including IT Fundamentals, Python, and Linux, and careers for new high school graduates in IT. This ATC course should be blocked with another 1 credit course from the Information Technology for the best program of study. (03580350) (YCSH31)

IB Computer Science SL, Grades 11-12, 2 Credits [International Baccalaureate SL] [Weighted Credit]

This class 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 results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of computer science through the study of technology operations, systems and concepts. *Recommended prerequisites:* Algebra II. (I3580200) (ICSC41) (LHS)

IB Computer Science HL, Grades 11-12, 2 Credits [International Baccalaureate HL] [Weighted Credit]

This course satisfies a math credit requirement

IB Computer Science is a continued in-depth study and application of knowledge and skills learned in IB Computer Science SL. *Recommended prerequisite:* IB Computer Science SL and Algebra II (I3580310)

(ICSC51) (I3580320) (ICSC61) (LHS)

Practicum in Computer Programming Grades 11-12, 2-3 Credits

Prerequisite: Completion of Computer Programming II

Practicum in Computer Programming is a work-based learning course for students in the Programming and Software Development program of study. Students will either accept a paid or unpaid internship with a local business or they will work on community projects assigned by the instructor. Students in this course will practice and execute the necessary tasks assigned to by their industry partner or instructor to learn job ready skills. Students are expected to exhibit professionalism in their work standards, communication and ethics. This course may be taken after Computer Programming II is successfully completed. Course may be repeated for credit in 12th grade. (13028000) (YIPH81) (13028005) (YIPH91)

Computer Maintenance, Grades 10-12, 1 Credit [Weighted Credit]

Students acquire principles of computer maintenance, including electrical and electronic theory, computer hardware principles, and broad level components related to the installation, diagnosis, service and repair of computer systems. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Students may earn the CompTIA A+, CompTIA IT Fundamentals, and TestOut PC Pro certifications. *Recommended co-corequisite: Networking.* (13027300) (YICH11) (ATC)

Networking, Grades 10-12, 1 Credit [Weighted Credit]

Students develop knowledge of the concepts and skills related to telecommunications and data networking technologies and practices in order to apply them to personal or career development. This hands-on industry aligned course allows students set up Ethernet networks, diagnose network problems and to prepare for a job with a networking firm before graduation. Students may earn CompTIA Network+ and TestOut Network Pro Certifications. *Recommended co-requisite: Computer Maintenance.* (13027400) (YINH11) (ATC)

Computer Technician Practicum I, Grades 11-12, 2-3 Credits [Weighted Credit]

Students gain knowledge and skills in the area of computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce, apply, and transfer their knowledge and skills to a variety of settings and problems. The critical thinking, information technology experience, and product development may be conducted either in a classroom setting with an instructor, with an industry mentor, or both. Students may earn the CompTIA A+, TestOut Client Pro, and MTA Windows Operating Systems Fundamentals certifications. **Transportation may be needed.** *Prerequisites: Computer Maintenance or Computer Networking.* (13027500) (YIMH11—2 credits) (13027505) (YIMH21—3 credits) (ATC)

Computer Technician Practicum II, Grades 11-12, 2-3 Credits [Weighted Credit]

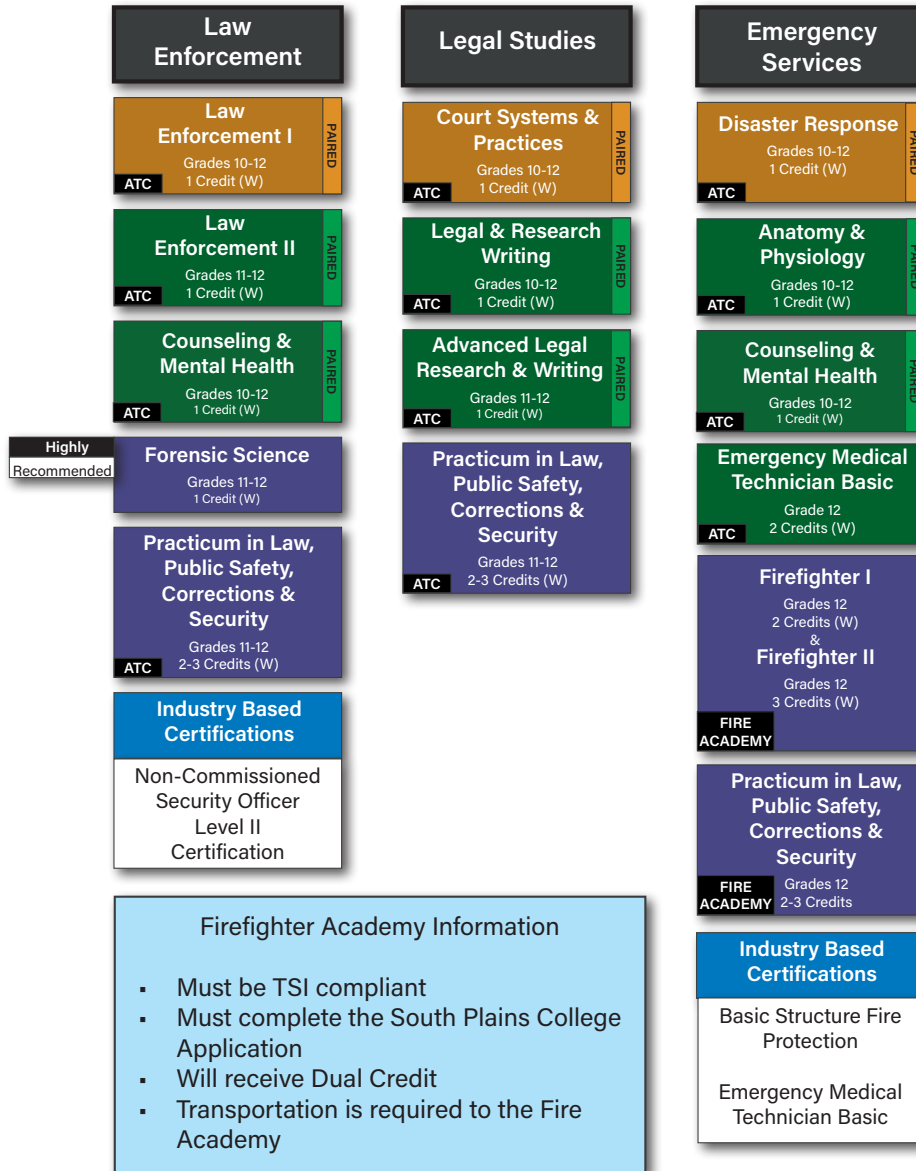
Students gain knowledge and skills in the area of computer technologies, including advanced knowledge of electrical and electronic theory, computer principles, and components related to the installation, diagnosis, service, and repair of computer-based technology systems. Students will reinforce, apply, and transfer their knowledge and skills to a variety of settings and problems. The critical thinking, information technology experience, and product development may be conducted either in a classroom setting with an instructor, with an industry mentor, or both. Students may earn the CompTIA A+, TestOut Client Pro, and MTA Windows Operating Systems Fundamentals certifications. **Transportation may be needed.** *Prerequisites: Computer Technician Practicum I.* (13027510) (YIMH31) (13027515) (YIMH41) (ATC)

Practicum and Extended Practicum in Information Technology, Grades 12, 2-3 Credits [Weighted Credit]

This course will allow students to gain industry experience in IT fields. Students will learn the implementation, maintenance, evaluation, and installation of services and systems in the help desk, networking, and server management in IT fields. Critical thinking, information technology experience, and project development will be conducted in the classroom. Students may earn CompTIA A+, Network+, and/or Security+ certifications. Students shall be awarded two credits for successful completion of the Practicum. **Transportation may be needed.** *Prerequisites: Computer Maintenance, Computer Networking.* (13028000) (YIRH81—2 credits) (13028005) (YIRH91—3 credits) (ATC)

Career and Technical Education

Law & Public Service



W = Weighted Credit

Level 1 Course
 Level 2 Course
 Level 3 Course
 Level 4 Course

Law Enforcement I, Grades 10-12, 1 Credit [Weighted Credit]

This course introduces students to different careers in the Law Enforcement field. Students receive an overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime. Students in this course have the opportunity to become a member of SkillsUSA to compete in various skill and leadership events. (13029300) (YLEH11) (ATC)

Law Enforcement II, Grades 11-12, 1 Credit [Weighted Credit]

This course provides opportunities for students to investigate careers in the Law Enforcement field. Students learn the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony. Students in this course have the opportunity to become a member of SkillsUSA to compete in various skill and leadership events. *Prerequisite:* Law Enforcement I. (13029400) (YLEH21) (ATC)

Court Systems and Practices, Grades 10-12, 1 Credit [Weighted Credit]

Students receive an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation. *Recommended Prerequisite:* Law Enforcement I. (13029600) (YLCH11) (ATC)

Legal Research and Writing (Mock Trial), Grades 10-12, 1 Credit [Weighted Credit]

This class provides an introduction into the study and practice of legal writing and research. This course is designed to introduce students to the methods and tools used to conduct legal research, develop and frame legal arguments, produce legal writings such as briefs, memorandums, and other legal documents, study U.S. Constitutional law, and prepare for appellate argument(s). Students in this course have the opportunity to compete in local and state Mock Trial competitions. (N1303014) (YLRW11) (ATC)

Advanced Legal Research and Writing (Mock Trial- Year 2), Grade 11-12, 1 Credit [Weighted Credit]

This course provides an in-depth understanding of preparing legal arguments and other legal documents. Building on prior instruction in constitutional issues and the basics of American court systems, this course provides insight into the practical application of civil and criminal procedures, giving students a hands-on opportunity to experience a variety of legal professions. Students will gain an understanding of the attorney-client relationship and the importance of confidentiality, discovery, pretrial motions, jury selection, opening statements, direct and cross examinations, proper use of objections and the rules of evidence, and closing arguments. Students will learn how to evaluate a set of facts and mold it into a coherent trial strategy, learning trial practice from a true mock courtroom setting. *Required Prerequisite:* Legal Research and Writing. *Recommended Prerequisite:* Court Systems and Practices. (N1303016)(YLRW21)

Forensic Science, Grades 11-12, 1 Credit [Weighted Credit]

This course satisfies a science credit requirement and is recommended for all Law Enforcement students.

This course 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 will learn terminology and investigative procedures related to crime scenes, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science. *Prerequisites:* Biology and Chemistry. (13029500) (YLFH11)

Counseling and Mental Health, Grades 10-12, 1 Credit

Students model the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Students are expected to apply knowledge of ethical and legal responsibilities, limitations, and the implications of their actions. Professional integrity in counseling and mental health care is dependent on acceptance of ethical and legal responsibilities. *Recommended prerequisite: Principles of Human Services.* (13024600) (YPHR31-Campuses) (YPHR41-ATC)

Practicum and Extended Practicum in Law and Public Service, Grade 12, 2-3 Credits [Weighted Credit]

This course is a unique paid or unpaid internship 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 Law and Public Service 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 shall be awarded two credits for successful completion of the Practicum. A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills. *Required Prerequisites:* Any two courses from the Law and Public Service Cluster. (13030100) (YLLH81—2 credits) (13030105) (YLLH91—3 credits) (ATC)

Disaster Response, Grades 10-12, 1 Credit

Disaster Response includes basic training of students in disaster survival and rescue skills that would improve the ability of citizens to survive until responders or other assistance arrives. Students will receive education, training, and volunteer service to make communities safer, stronger, and better prepared to respond to the threats of terrorism, crime, public health issues and disasters of all kinds. (N1303011) (YDRR11) (ATC)

Anatomy and Physiology, Grades 11-12, 1 Credit [Regular-HS Campus] [Weighted Credit-ATC]

This course satisfies a science credit requirement.

Students conduct laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. *Prerequisites:* Biology and one other science credit. (13020600) (YSAR11-HS Campus) (YSAH11-ATC)

Firefighter I, Grade 12, 2 Credits [CTE College Credit]

Firefighter I introduces students to firefighter safety and development. Students will analyze the Texas Commission on Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protective equipment, and the principles of fire safety. This course must be taken concurrently with Firefighter II. Applicants will sit for an entrance exam required by South Plains College and must earn a 70 or better for admittance. **Transportation is required.** (13029900) (YRFF11)

Firefighter II, Grade 12, 3 Credits [CTE College Credit]

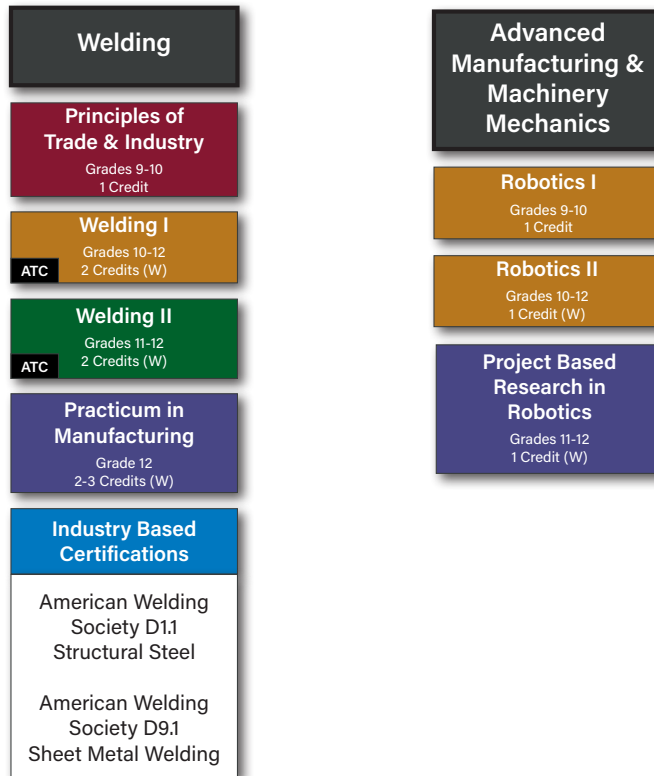
Firefighter II is the second course in a series for students studying firefighter safety and development. Students will understand the Texas Commission on Fire Protection rules and regulations, proper incident reporting and records, proper use of personal protective equipment, and the principles of fire safety. Students will demonstrate proper use of fire extinguishers, ground ladders, fire hoses, and water supply apparatus systems. This course must be taken concurrently with Firefighter I. Applicants will sit for an entrance exam required by South Plains College and must earn a 70 or better for admittance. **Transportation is required.** Students may earn Basic Structure Fire Protection. (13030000) (YRFF21)

Emergency Medical Technician Basic, Grade 12, 2 Credits [Weighted Credit]

This course will prepare students to become a certified Emergency Medical Technician (EMT). The course includes the skills necessary for a student to provide pre-hospital emergency medical care, life support, and ambulance service. The EMT Basic course is an introduction to the concepts, knowledge, and skills needed by EMTs in the areas of communications, transportation, and record keeping. This is a dual credit course through South Plains College. Students must be TSI compliant and at least 17 years old to ride on the ambulance. This is a rigorous, hands-on course that requires professionalism and life-saving skills. It is expected that all students will test for certification. *Required Prerequisite: Biology. Recommended prerequisites: Anatomy and Physiology, Disaster Response.* **Transportation is required to clinical sites.** (N1303015) (DC:YLTD11).

Career and Technical Education

Manufacturing Cluster



W = Weighted Credit

Level 1 Course

Level 2 Course

Level 3 Course

Level 4 Course

Principles of Trade and Industry, Grades 9-10, 1 Credit

This course provides an overview of the various fields of architecture and construction technology, machining, welding, automotive technology, and collision repair and refinishing. Each area of the Trade and Industry fields will be broken into nine-week units. Students will have hands-on experience with small engines and simulators in the classroom. (13004220) (YMPR11)

Welding I, Grades 10-12, 2 Credits [Weighted Credit]

Students learn basic training toward the (AWS) American Welding Society Code D1.1 certification. The training will include safety, SMAW (Shielded Metal Arc Welding)-stick welding, GMAW (Gas Metal Arc Welding)-MIG, GTAW (Gas Tungsten Arc Welding)-TIG, OFC (Oxy-acetylene Cutting Torch/Plasma Cutting Torch), mathematics, blueprint reading, and the manufacturing of parts and equipment. Projects will be assigned to help students master the skills needed to obtain and meet the requirements of jobs in industry and manufacturing. Students may earn the (AWS) American Welding Society Code D1.1 Structural Steel and D9.1 Sheet Metal Welding certifications. *Recommended prerequisite:* Principles of Trade and Industry. (13032300) (YMWW11) (ATC)

Welding II, Grades 11-12, 2 Credits [Weighted Credit]

Students will receive advanced training in the welding field. Projects and welding practices will be used to help students advance their skills for the requirements to secure an entry level job, go on to college, or proceed to a technical school to further their studies in the world of welding. Students will earn two credits for taking Welding II but can add the Welding II Lab to earn a third credit. The lab may not be taken as a stand-alone course. Students may earn the (AWS) American Welding Society Code American Welding Society Structural Steel and D9.1 Sheet Metal Welding certifications. *Prerequisite:* Welding I. (13032400) (YMWH11) (ATC)

Practicum and Extended Practicum in Manufacturing, Grade 12, 2-3 Credits [Weighted Credit]

This Practicum course is a paid or unpaid capstone experience designed to give students supervised practical application of previously studied knowledge and skills. Internship experiences can occur in a variety of locations appropriate to the nature and level of experience. Students shall be awarded two credits for successful completion of the practicum. *Prerequisites:* Welding II. (13033000) (YMMH81—2 credits) (13033005) (YMMH91—3 credits) (ATC)

Robotics I, Grades 9-12, 1 Credit [Weighted Credit] [CTE College Credit]

Students enrolled in this course will demonstrate knowledge and skills necessary for the robotic and automation industry. Through implementation of the design process, students will transfer advanced academic skills to component designs in a project environment. Students will build prototypes or use simulation software to test their designs. Additionally, students explore career opportunities, employer expectations and educational needs in the robotic and automation industry. (13037000) (YGRH11) (DC: YGRD11)

Robotics II, Grades 10-12, 1 Credit [Weighted Credit]

This course satisfies a math credit requirement.

Students will design and build competition specific robots. Students will design, prototype, and test different mechanical, electrical and computer programming mechanisms to be used at competition. Students are expected to design and model ideas using 3D CAD software and are expected to show proper use of power tools and hand tools. Students will travel to different competitions to showcase their robot and compete against other teams throughout the year. Students will also research a local need, provide a solution, and present this solution with cost analysis to a board of professional engineers. Students will provide a 3D computer model, a working prototype and a market analysis in their presentation. Prerequisite: Robotics I. (13037050) (YGRH21)

Project Based Capstone in Robotics, 1 Credit, Grades 11-12 [Weighted Credit]

Students in this course will expand upon their previous robotics learning by continuing to participate in competitive robotics and participating in project work. Prerequisite: Robotics II. May be repeated for credit. First time taken (12701101) (YNYH51). Second time taken (12701102) (YNYH61)

Career and Technical Education

Science, Technology, Engineering & Math Cluster

Biomedical Science	Cybersecurity	Engineering	Programming & Software Development
Principles of Biosciences Grades 9-12 1 Credit (W) PLTW	Computer Programming I Grades 9-12 1 Credit (W)	Introduction to Engineering Design Grades 9-12 1 Credit (W) PLTW	Foundations of Cybersecurity Grades 9-12 1 Credit (W)
Human Body Systems Grades 10-12 1 Credit PLTW	Foundations of Cybersecurity Grades 9-12 1 Credit (W)	Engineering Science Grades 10-12 1 Credit (W)	Computer Programming I Grades 9-12 1 Credit (W) ATC
Medical Interventions Grades 10-12 1 Credit (W) PLTW	Computer Maintenance Grades 10-12 1 Credit (W) ATC	Aerospace Engineering Grades 10-12 1 Credit (W) PLTW	Computer Programming II Grades 10-12 1 Credits (W) ATC
Medical Microbiology Grades 11-12 1 Credit (W) PAIRED	Networking Grades 10-12 1 Credit (W) ATC	Engineering Design & Development Grades 11-12 1 Credit (W) PLTW	Computer Programming III Grades 11-12 1 Credit (W) ATC
Biomedical Innovation Grades 11-12 1 Credit (W) PLTW	Practicum in Computer Programming Grade 12 2 Credits (W)	Engineering Design & Presentation I Grades 10-12 1 Credit (W) PAIRED	IB Computer Science Standard Level Grades 11-12 2 Credits (W) LHS
Pathophysiology Grades 10-12 1 Credit (W) PAIRED	Industry Based Certifications	Engineering Design & Presentation II Grades 11-12 2 Credits (W)	IB Computer Science Higher Level Grades 11-12 2 Credits (W) LHS
Practicum in STEM Grade 12 2 Credits (W) PLTW	CompTIA A+	Practicum in STEM Grade 12 2 Credits (W) PAIRED	Practicum in Computer Programming Grades 11-12 2 Credits (W) ATC
Industry Based Certifications	CompTIA Network+	Industry Based Certifications	Industry Based Certifications
Biotechnician Assistant Certification Exam (BACE)	CompTIA Security +	AutoDesk Inventor	Python PCEP
	NOCTI Cybersecurity Fundamentals	AutoDesk Rev	CompTIA Linux+
		AutoDesk AutoCAD	Oracle Certified Associate Java SE 8 Programmer

W = Weighted Credit

Level 1 Course

Level 2 Course

Level 3 Course

Level 4 Course

BIOMEDICAL SCIENCE PROGRAM OF STUDY

PROJECT LEAD THE WAY, MONTEREY HIGH SCHOOL

Principles of Biosciences, Grades 9-12, 1 Credit [Weighted Credit]

From design and data analysis to outbreaks, clinical empathy, health promotion, and more, students explore the vast range of careers in biomedical sciences. They develop not just technical skills, but also in-demand, transportable skills that they need to thrive in life and career. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems. (N1302092) (YSBH11)

Human Body Systems, Grades 10-12, 1 Credit [Weighted Credit]

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. *Recommended Prerequisites:* Principles of Biomedical Science. (N1302093) (YGAH11)

Medical Interventions, Grades 10-12, 1 Credit [Weighted Credit]

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. (N1302094) (YGAH21)

Pathophysiology, Grades 11-12, 1 Credit [Weighted Credit]

This course satisfies a science credit requirement.

Students in Pathophysiology study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease, causes, signs and symptoms, and diagnostic tests. Students will differentiate between normal and abnormal physiology. *Prerequisites:* Biology, Chemistry, and either Medical Terminology (or) Health Science Theory (13020800) (YSPH11) (ATC)

Biomedical Innovation, Grade 11-12, 1 Credit [Weighted Credit]

In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent design project with a mentor or advisor from a university, medical facility, or research institution. Students may earn the Biomedical Assistant Certification (BACE).(N1302095) (YGAH31)

ENGINEERING PROGRAM OF STUDY

Engineering Science, Grades 10-12, 1 Credit [Weighted Credit]

This course satisfies a science credit requirement.

This survey course exposes students to concepts they will encounter in a postsecondary engineering course of study. Topics include mechanisms, energy, statistics, materials, and kinematics. Students develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions. *Prerequisites:* Algebra I and Biology, Chemistry, IPC, or Physics. *Recommended prerequisites:* Introduction to Engineering Design and Geometry. (13037500) (YGDH21)

Engineering Design and Presentation I, Grades 10-12, 1 Credit [Weighted Credit]

Students will learn the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and

drafting and what is required to gain and maintain employment in these areas. Students will explore AutoCAD and Autodesk products and will learn Basic CAD concepts. **This course must be taken concurrently with Architecture Design I.** *Prerequisite:* Algebra I. (13036500) (YGEH11) (DC: YGED11) (ATC)

Engineering Design and Presentation II, Grades 11-12, 2 Credits [Weighted Credit]

This course provides students the opportunity to master computer software applications in various engineering and technical fields. This course further develops the process of engineering thought and the application of the design process. Students may earn the Autodesk Certification User Professional Inventor. *Prerequisites:* Algebra I, Geometry, and Engineering Design and Presentation I. (13036600) (YGEH21) (ATC)

Practicum and Extended Practicum in STEM, Grade 12, 2-3 Credits [Weighted Credit]

This Practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the STEM Career Cluster. Students shall be awarded two or three credits for successful completion of the Practicum. A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills. Students may choose to take the Extended Practicum for one additional credit. This course must be taken concurrently with the Practicum course. *Prerequisites:* Algebra I and Geometry. **Transportation may be required.** (13037400) (YNYH81—2 credits) (13037405) (YNYH91—3 credits) (ATC)

CYBERSECURITY PROGRAM OF STUDY

Computer Programming I, Grades 9-12, 1 Credit [Weighted Credit]

Prerequisite or Corequisite: Algebra I

Computer Programming I is an exciting, hands-on course where students design, code, test, and market their own computer applications. Student innovators and makers in this beginner course identify real problems in their community and beyond they can address with an application. Students will code, create apps, design graphical interfaces, search for bugs, troubleshoot, test their apps and much more. Topics will include computational thinking, flow-charting, tasks and sub-tasks, coding with high-demand languages, coding basics and more. This course will also provide an introduction to important topics like Cybersecurity and AI in Society. **This course must be paired at the ATC with Foundations of Cybersecurity.** (03580200) (YIPH11) (ATC)

Foundations Cybersecurity, Grades 9-12, 1 Credit [Weighted Credit]

Prerequisites: None

Cybersecurity involves safeguarding computers, networks, programs, and data from unauthorized access. Cybersecurity professionals prevent, detect, and respond to threats on a daily basis. In this course, students will learn ethics, laws, and operations of cybersecurity while participating in hands-on, live, “capture the flag” competitions. This course helps provide a solid foundation in Information Technology learning and is **paired with Computer Programming I.** (03580850) (YFCH11) (ATC)

Computer Maintenance, Grades 10-12, 1 Credit [Weighted Credit]

Students acquire principles of computer maintenance, including electrical and electronic theory, computer hardware principles, and broad level components related to the installation, diagnosis, service and repair of computer systems. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Students may earn the CompTIA A+, CompTIA IT Fundamentals, and TestOut PC Pro certifications. *Recommended co-corequisite:* Networking. (13027300) (YICH11) (ATC)

Networking, Grades 10-12, 1 Credit [Weighted Credit]

Students will develop knowledge of the concepts and skills related to telecommunications, data networking technologies, and practices in order to apply them to personal or career development. This hands-on industry aligned course allows students to set up Ethernet networks, diagnose network problems and prepare for a job with a networking firm before graduation. Students may earn CompTIA Network+ and TestOut Network Pro Certifications. *Recommended co-requisite:* Computer Maintenance. (13027400) (YINH11) (ATC)

IB Computer Science SL, Grades 11-12, 2 Credits [International Baccalaureate SL] [Weighted Credit]

This class 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 results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of computer science through the study of technology operations, systems and concepts. *Recommended prerequisites:* Algebra II. (I3580200) (ICSC41) (LHS)

IB Computer Science HL, Grades 11-12, 2 Credits [International Baccalaureate HL] [Weighted Credit]

This course satisfies a math credit requirement

IB Computer Science is a continued in-depth study and application of knowledge and skills learned in IB Computer Science SL. *Recommended prerequisite:* IB Computer Science SL and Algebra II (I3580310) (ICSC51) (I3580320) (ICSC61) (LHS)

Practicum in Computer Programming Grades 11-12, 2-3 Credits [Weighted Credit]

Prerequisite: Completion of Computer Programming II

Practicum in Computer Programming is a work-based learning course for students in the Programming and Software Development program of study. Students will either accept a paid or unpaid internship with a local business or they will work on community projects assigned by the instructor. Students in this course will practice and execute the necessary tasks assigned to by their industry partner or instructor to learn job ready skills. Students are expected to exhibit professionalism in their work standards, communication and ethics. This course may be taken after Computer Programming II is successfully completed. Course may be repeated for credit in 12th grade. (13028000) (YIPH81) (13028005) (YIPH91)

ENGINEERING (PROJECT LEAD THE WAY COURSES)

PROJECT LEAD THE WAY, CORONADO IB CAREERS AND MONTEREY HIGH SCHOOL

Introduction to Engineering Design, Grades 9-10, 1 Credit [Weighted Credit]

The major focus of this course is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community. The major focus of this course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. (N1303742) (YGDH11)

Aerospace Engineering, Grades 11-12, 1 Credit [Weighted Credit]

Students explore the fundamentals of flight in air and space as they bring the concepts to life by designing and testing components related to flight such as an airfoil, propulsion system, and a rocket. They learn orbital mechanics concepts and apply these by creating models using industry-standard software. They also apply aerospace concepts to alternative applications such as a wind turbine and parachute. Students simulate a progression of operations to explore a planet, including creating a map of the terrain with a model satellite and using the map to execute a mission using an autonomous robot. **This course may be offered every other year.* (N1303745) (YASH11)

Digital Electronics, Grades 11-12, 1 Credit [Weighted Credit]

This course satisfies a math credit requirement

3rd Math credit under Foundation Program and Foundation plus Endorsement Program. The major focus of the digital electronics course is to expose students to the process of combinational and sequential logic design, teamwork, communication methods, engineering standards and technical documentation. Prerequisites:

Introduction to Engineering Design, Engineering Science, Algebra I and Geometry. **This course may be offered every other year.* (13037600) (YGDH61)

Engineering Design and Development, Grade 12, 1 Credit [Weighted Credit]

In this capstone course, students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. Students perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams design, build, and test their solutions while working closely with industry professionals who provide mentoring opportunities. Finally, student teams present and defend their original solution to an outside panel. (N1303749) (YGDH41)

Practicum and Extended Practicum in STEM, Grade 12, 2-3 Credits [Weighted Credit]

This Practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the STEM Career Cluster. Students shall be awarded two or three credits for successful completion of the Practicum. A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills. Students may choose to take the Extended Practicum for one additional credit. This course must be taken concurrently with the Practicum course. *Prerequisites:* Algebra I and Geometry. **Transportation may be required.** (13037400) (YNYH81—2 credits) (13037405) (YNYH91—3 credits) (ATC)

PROGRAMMING & SOFTWARE DEVELOPMENT PROGRAM OF STUDY

Computer Programming I, Grades 9-12, 1 Credit [Weighted Credit]

Prerequisite or Corequisite: Algebra I

Computer Programming I is an exciting, hands-on course where students design, code, test, and market their own computer applications. Student innovators and makers in this beginner course identify real problems in their community and beyond they can address with an application. Students will code, create apps, design graphical interfaces, search for bugs, troubleshoot, test their apps and much more. Topics will include computational thinking, flow-charting, tasks and sub-tasks, coding with high-demand languages, coding basics and more. This course will also provide an introduction to important topics like Cybersecurity and AI in Society. **This course must be blocked at the ATC with Foundations of Cybersecurity.** (03580200) (YIPH11) (ATC)

Foundations Cybersecurity, Grades 9-12, 1 Credit [Weighted Credit]

Prerequisites: None

Cybersecurity involves safeguarding computers, networks, programs, and data from unauthorized access. Cybersecurity professionals prevent, detect, and respond to threats on a daily basis. In this course, students will learn ethics, laws, and operations of cybersecurity while participating in hands-on, live, “capture the flag” competitions. This course helps provide a solid foundation in Information Technology learning and is **paired with Computer Programming I.** (03580850) (YFCH11) (ATC)

Computer Programming II, Grades 10-12, 1 Credit [Weighted Credit]

Prerequisites: Algebra I and Computer Programming I

In Computer Programming II students elevate their skills in coding and application design by adding new skills and experiences. Students will continue to design programs and applications that solve real world problems while learning new concepts such as object-oriented programming, inheritance, data structuring, data abstraction, importing data, sorting algorithms and more. Topics will also include High Performance Computing, Ethical Practices in Information Technology (IT) and Careers in IT. This ATC course should be blocked with another 1 credit course from the Information Technology for the best program of study. (03580300) (YIPH21)

Computer Programming III Grades 11-12, 1 Credit [Weighted Credit]

Prerequisites: Computer Programming II

In Computer Programming III students continue to add to their coding and application design skill set by diving into data structures and algorithms. Students will work frequently in design teams of three or more students

to solve complex problems with industry app design models and iterative development. New skills will include single and multidimensional arrays, stacks, heaps, queues, trees, linked data structures, operating system scripts and more. Topics will also include a guide to internships for information technology students, industry based certification opportunities including IT Fundamentals, Python, and Linux, and careers for new high school graduates in IT. This ATC course should be blocked with another 1 credit course from the Information Technology for the best program of study.(03580350) (YCSH31)

IB Computer Science SL, Grades 11-12, 2 Credits [International Baccalaureate SL] [Weighted Credit]

This class 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 results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of computer science through the study of technology operations, systems and concepts. *Recommended prerequisites:* Algebra II. (I3580200) (ICSC41) (LHS)

IB Computer Science HL, Grades 11-12, 2 Credits [International Baccalaureate HL] [Weighted Credit]

This course satisfies a math credit requirement

IB Computer Science is a continued in-depth study and application of knowledge and skills learned in IB Computer Science SL. *Recommended prerequisite:* IB Computer Science SL and Algebra II (I3580310) (ICSC51) (I3580320) (ICSC61) (LHS)

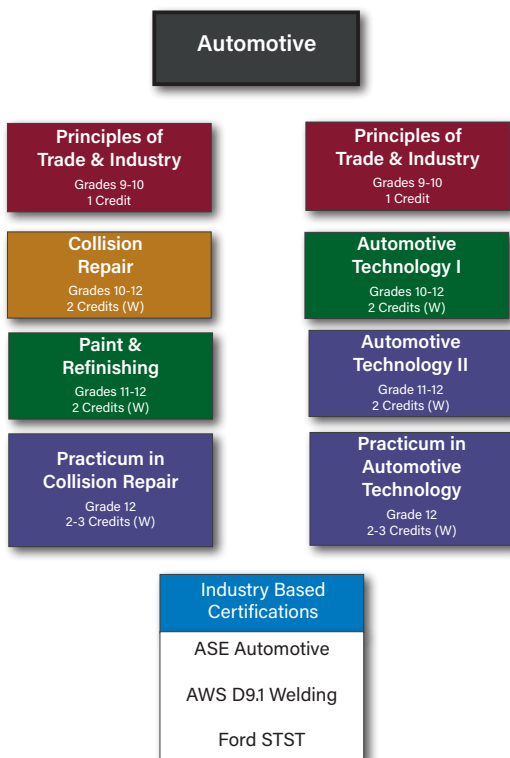
Practicum in Computer Programming Grades 11-12, 2-3 Credits [Weighted Credit]

Prerequisite: Completion of Computer Programming II

Practicum in Computer Programming is a work-based learning course for students in the Programming and Software Development program of study. Students will either accept a paid or unpaid internship with a local business or they will work on community projects assigned by the instructor. Students in this course will practice and execute the necessary tasks assigned to by their industry partner or instructor to learn job ready skills. Students are expected to exhibit professionalism in their work standards, communication and ethics. This course may be taken after Computer Programming II is successfully completed. Course may be repeated for credit in 12th grade. (13028000) (YIPH81) (13028005) (YIPH91)

Career and Technical Education

Transportation, Distribution & Logistics Cluster



W = Weighted Credit

Level 1 Course

Level 2 Course

Level 3 Course

Level 4 Course

Principles of Trade and Industry, Grades 9-10, 1 Credit

This course provides an overview of the various fields of architecture and construction technology, machining, welding, automotive technology, and collision repair and refinishing. Each area of the Trade and Industry fields will be broken into nine-week units. Students will have hands-on experience with small engines and simulators in the classroom. (13004220) (YMPR11)

Collision Repair, Grades 10-12, 2 Credits [Weighted Credit]

This course focuses on knowledge of the processes, technologies, and materials used in the reconstruction and alteration of vehicles. This course is designed to teach the concepts and theory of systems related to automotive collision repair and refinishing. (13039800) (YDCW11) (ATC)

Paint and Refinishing, Grades 11-12, 2 Credits [Weighted Credit]

This course focuses on advanced knowledge of the processes, technologies, and materials used in the reconstruction and alteration of vehicles. This course is designed to teach the concepts and theory of systems related to automotive collision repair and refinishing while earning two credits. Students may earn the I-CAR certification. *Prerequisite:* Collision Repair. (13039900) (YDCH11) (ATC)

Practicum and Extended Practicum in Collision Repair, Grade 12, 2-3 Credits [Weighted Credit]

This course is designed to give students supervised practical application of knowledge and skills. Internship experiences can occur in a variety of locations appropriate to the nature and level of experience such as mentorships, independent study, or laboratories. Students may participate in a paid or unpaid internship at a local collision repair shop, or participate in a project based learning opportunity in a lab setting. Students will continue advanced iCar certifications. *Prerequisite:* Paint and Refinishing. **Transportation may be needed.** (13040450) (YDCW41) (13040455) (YDCW51) (ATC)

Automotive Technology I: Maintenance and Light Repair, Grades 10-12, 2 Credits [Weighted Credit]

This course allows students to explore the possibility of becoming an entry level technician. Students will gain knowledge and skills in the repair, maintenance, and basic diagnostics of vehicles. Training is provided in a combination of classroom and lab settings. This course allows students to reinforce, apply and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in an ASE Education Foundation certified training facility. As a Ford ACE (Automotive Career Exploration) program, students are given access to online training provided by Ford Motor Company. Students may earn the 10 Entry-Level Automotive Service Excellence nationally recognized certifications. (13039600) (YDAW11)(DC: YDAD11) (ATC)

Automotive Technology II: Automotive Service, Grades 11-12, 2 Credits [Weighted Credit]

This course allows students to use the skills and knowledge they gained in Automotive Technology and gain a deeper understanding of what is required for becoming an entry level technician. In this course, the students will gain deeper knowledge and skills in the repair, maintenance, and the advanced diagnostics of vehicle systems. Training is provided in a combination of classroom and lab settings. This course allows students to reinforce, apply and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in a ASE certified facility. Students that qualify may earn the Entry-Level Automotive Service Excellence nationally recognized certifications. Students who have completed all 10 areas of the Entry-Level certifications have the opportunity to take a Technician Level Automotive Services Excellence certification. As a Ford ACE (Automotive Career Exploration) program, students are given access to online training provided by Ford Motor Company. *Prerequisite:* Automotive Technology I: Maintenance and Light Repair. (13039700) (YDAH21) (ATC) (DC: YDAD21)

Practicum and Extended Practicum in Automotive Technology, Grade 12, 2-3 Credits [Weighted Credit]

Practicum and Extended Practicum in Transportation Systems, Grade 12, 2-3 Credits [Weighted Credit]
This course is designed to give students supervised practical application of knowledge and skills. Internship experiences can occur in a variety of locations appropriate to the nature and level of experience such as mentorships, independent study, or laboratories. Once a student turns 18, they are allowed to work in a dealership or in a transportation related career. Students shall be awarded two credits for successful completion of the Practicum or three credits for Extended Practicum. As a Ford ACE (Automotive Career Exploration) program, students are given access to online training provided by Ford Motor Company.

Practicum students should have a minimum of ten Ford ACE Certifications. These certifications will transfer over to Ford Certifications for students who become employees of a Ford Motor Company Dealer. Students who have completed all ten areas of the Automotive Service Excellence (ASE) Entry-Level certifications have the opportunity to take a Technician Level Automotive Service Excellence certification. *Prerequisite:* Automotive Technology II: Automotive Service. **Transportation required.** (13040450) (YDTH81—2 credits) (13040455) (YDTH91—3 credits)(DC: YDAD81) (ATC)

CAREER & TECHNICAL EDUCATION IB COURSES AT LHS

IB Computer Science SL, Grades 10-12, 2 Credits [International Baccalaureate SL]

This class 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 results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of computer science through the study of technology operations, systems and concepts. Recommended prerequisite: Algebra II. (I3580200) (ICSC41) (LHS)

IB Computer Science HL, Grades 11-12, 2 Credits [International Baccalaureate HL]

This course satisfies a math credit requirement

IB Computer Science is a continued in-depth study and application of knowledge and skills learned in IB Computer Science SL. Recommended prerequisite: IB Computer Science SL and Algebra II (I3580310) (ICSC51) (I3580320) (ICSC61) (LHS)

EARLY COLLEGE HIGH SCHOOL COURSES AT EHS

Horticulture Science and Lab Grades 10-12, 2 credits - Coming Fall 2025

Horticulture Science is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. Students may earn the BASF Plant Science Certification. (HRTD11) (13002000) (EHS)

Floral Design and Lab, Grades 10-12, 2 Credits

This course satisfies a fine arts credit requirement.

Students develop the ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Students may earn the Texas State Floral Association Knowledge Based Floral Certification and TSFA Level 1 Certification. (FLRD11) (13001810) (EHS)

Public Notification of Nondiscrimination
Lubbock Independent School District

The Lubbock Independent School District offers career and technical education programs in Agriculture, Food & Natural Resources; Architecture & Construction; Arts, A/V Technology & Communications; Business Management & Administration; Health Science; Human Services; Information Technology; Manufacturing; Science, Technology, Engineering & Math (STEM) and Transportation, Distribution & Logistics. Admission to these programs is based on application, parent approval, school achievement, and interest.

It is the policy of the Lubbock Independent School District not to discriminate on the basis of race, color, national origin, sex, or handicap in its educational and 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.

It is the policy of the Lubbock Independent School District not to discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended.

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

For information about your rights or grievance procedures, contact Kami Finger, Executive Director of Special Services, telephone (806) 219-0401, for Title II of the Americans with Disabilities Act of 1990, which incorporates and expands upon the requirements of Section 504 of the Rehabilitation Act of 1973. Contact Max Flores, Executive Director of Human Resources, telephone (806) 219-0040, for Title IX of the Education Amendments of 1972, as amended, Title VI of the Civil Rights Act of 1964, as amended, and the Age Discrimination Act of 1975, as amended.

Lubbock Independent School District
1628 19th Street
Lubbock, Texas 79401

