

# **2018-2019 La Vega High School Course Catalog**



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# Scheduling Philosophy

## La Vega High School

The Course Catalog assists students and parents in making course selections that will meet each student's individual needs for the future, as well as meet high school graduation requirements.

Course selection happens during the spring of the prior year. Students meet with counselors in academic conferences to ensure proper academic placement. Information regarding course selection is sent home to the parents. Parents may request a conference with the counselors regarding course selection.

Teachers/staff are hired/assigned and the master schedule is set, including class sizes, according to student selections. Staffing needs are dependent upon the integrity of this process. Courses listed in the catalog are subject to student selection patterns and staffing availability and though offered, may not actually become a part of the schedule.

**Please make course sections carefully. Administration will only honor schedule change requests that meet the following criteria:**

1. Courses needed for graduation
2. Prerequisite for course not met.
3. Course credit previously received.
4. Student is cut from athletic program (within the cut deadline)
5. Academic level changes (within the change deadline)

### **Schedule Change Deadline:**

Deadline is 5 days after the start of the fall/spring semester to submit a schedule change request.

For change from Advanced to Regular classes, deadline is within the first 5 days of school.

Students MUST follow their printed schedules, or they will have unexcused absences for the classes missed.

### **Other notes:**

\*If a student changes academic level, the grade carries over to the new class.

\*UIL allows a one-week grace period for completing work due to an incomplete; beyond this grace period, the student is ineligible.

### **Course Credit:**

For most courses, one-half (.5) credit is earned each semester. One (1) whole credit is earned over the school year, unless otherwise noted. Students will need to meet grade and attendance requirements to earn course credit.

## **English / Language Arts**

\*Graduation requirement: English I, English II, English III, and an advanced English course

Course	Semesters	Credit	Grades Offered			
			9	10	11	12
English I	2	1	X			
English I Pre-AP	2	1	X			
English I ESOL	2	1	X			
English II	2	1		X		
English II Pre-AP	2	1		X		
English II ESOL	2	1		X		
English III	2	1			X	
English III AP	2	1			X	
English IV	2	1				X
College Preparatory English Language Arts	2	1				X
End of Course English Language Arts Intervention	2	1	X	X	X	X
Reading	2	1	X	X	X	X
Communication Applications	1	0.5	X	X	X	X
Professional Communications (Speech Requirement)	1	0.5	X	X	X	X
Advanced Journalism: Yearbook 1	2	1		X	X	X
Advanced Journalism: Yearbook 2	2	1		X	X	X
Advanced Journalism: Yearbook 3	2	1		X	X	X

\*\*these are recommended grades offered, please see your counselor for your specific course order

### **English I**

ENG 1 - 0101 PEIMS - 03220100

Prerequisite: None  
Grade Level: 9  
Credit: 1

This introductory high school course focuses on activities that build on students' prior knowledge and skills in order to strengthen their reading, writing, and oral language skills. Students will read extensively in different cultural, historical and contemporary contexts and demonstrate familiarity with works by authors from non-English speaking literary traditions with emphasis on classical literature. Students will engage in the composing process of multi-paragraph compositions including literary, expository, procedural and persuasive. Emphasis on the ability to demonstrate organizational structure, a controlling idea or thesis and writing for a variety of audiences will be practiced.

### **English I Pre-AP**

ENG 1 - PAP 01 - 0111 PEIMS - 03220100

Requirements: Passed 8th grade English and 80 or above grade average  
Grade Level: 9  
Credit: 1

The theme for English I AP is "Challenges". Students will read works by Harper Lee, Edgar Allan Poe, William Wordsworth, Pablo Neruda, and Shakespeare, as well as informational and historical articles. Students will learn to gather evidence from texts and incorporate it in written and oral responses. Write in argumentative, informational, narrative, and other modes. The course is complete with a study a film director's work and analyze how style is evident when print texts are transformed into film. Students are expected to challenge the English I AP exam for college credit.

**English I ESOL**

ENG 1 ESOL - 0106 PEIMS - 03200600

Prerequisite: None  
Grade Level: 9  
Credit: 1

ESOL I may be substituted for English I as provided by Chapter 74, Subchapter B, of this title (relating to Graduation Requirements). All expectations apply to ESOL I students; however, it is imperative to recognize critical processes and features of second language acquisition and to provide appropriate instruction to enable students to meet these standards.

**English II**

ENG 2 – 0121 - 0141 PEIMS - 03220200

Prerequisite: English I  
Grade Level: 10  
Credit: 1

English II further expands and refines the skills learned in English I. The focus on writing emphasizes persuasive forms such as logical arguments and expressions of opinion. In addition, writing for a variety of audiences, rhetorical writing activities in the study of literature, expository and procedural will be addressed. English II students read extensively in multiple genres from world literature originally written in English or translated to English.

**English II Pre-AP**

ENG 2 PAP – 01 PEIMS - 03220200

Prerequisite: English I (English I Pre-AP suggested)  
Requirements: Passed English EOC and 80 or above grade average  
Grade Level: 10  
Credit: 1

The theme for English II AP is “Coming of Age”. English II further expands and refines the skills learned in English I. The focus on writing emphasizes persuasive forms such as logical arguments and expressions of opinion. In addition, writing for a variety of audiences, rhetorical writing activities in the study of literature, expository and procedural will be addressed. English II students read extensively in multiple genres from world literature originally written in English or translated to English. Students are expected to challenge the English II AP exam for college credit.

**English II ESOL**

ENG 2 ESOL - 0131 PEIMS - 03200700

Prerequisite: English I (ESOL)  
Grade Level: 10  
Credit: 1

ESOL II may be substituted for English II as provided by Chapter 74, Subchapter B, of this title (relating to Graduation Requirements). All expectations apply to ESOL II students; however, it is imperative to recognize critical processes and features of second language acquisition and to provide appropriate instruction to enable students to meet these standards.

**English III**

ENG 3 – 0151 PEIMS - 03220300

Prerequisite: English II  
Grade Level: 11  
Credit: 1

English III further expands and refines the concepts and skills learned in both English II and English I. In addition, students will write longer compositions incorporating outside documentation, making rhetorical choices on audience, purpose and form, and writing a variety of persuasive, informative and analytical pieces. Students will read extensively from American literature with emphasis on the knowledge, history and major features of this discourse. The course will further provide extensive practice through both reading and writing in the development of critical thinking.

### **English III AP**

ENG 3 AP – 01 - 0152 PEIMS - 03220300

Prerequisite: English II (English II Pre-AP suggested)  
Requirements: Passed English EOC and 80 or above grade average  
Grade Level: 11  
Credit: 1

The theme for English I AP is “The American Dream”. Students read foundational U.S. documents such as Lincoln's Second Inaugural Address and the Declaration of Independence, essays by Henry David Thoreau and Ralph Waldo Emerson, and Zora Neale Hurston's *Their Eyes Were Watching God*. Students will write an informative essay defining what it means to be an American. Write a synthesis essay that argues whether or not America still provides access to the American Dream. Write in a variety of modes and genres. Compare print and film versions of Arthur Miller's *The Crucible*. Create a news outlet based on real-world news organizations. Students are expected to challenge the English II AP exam for college credit.

### **English IV**

ENG 4 – 0171 PEIMS - 03220400

Prerequisite: English III  
Grade Level: 12  
Credit: 1

In English IV the course further expands the concepts and skills learned in earlier English classes. The focus of study will be on commonly recognized patterns of organization, precision in meaning through language and rhetorical choices, analysis of ideas, and use of sophisticated and precise word choices. Students will read and recognize major authors, periods, forms and works in British literature. Focus will be on recurring themes, devices of propaganda, analysis of the presentation of ideas including forms of logical reasoning and techniques of persuasive language. Students will understand the application of abstract concepts, read, and think critically.

### **College Preparatory English Language Arts**

CPELA - 0174 PEIMS - CP110100

Prerequisite: English III  
Grade Level: 12  
Credit: 1

This course was developed with McLennan Community College to prepare students to be successful in entry-level college courses. Students whose performance on an EOC assessment instrument does not meet college readiness standards or whose performance on coursework, a college entrance exam (TSI, ACT, SAT) are eligible for this course. Students who are successful may use this credit toward satisfying the advanced English language arts curriculum. Students will use effective reading strategies to draw and support complex inferences from text to summarize, draw conclusions and distinguish facts from simple assertions and options, and write persuasive essays demonstrating clear thesis with a controlling idea.

### **End-Of-Course English Language Arts Intervention**

ENG 1 INTERVENT 0011 EOC ELAR I - 0049 EOC ELAR 2 - 0050

Prerequisite: None  
Grade Level: 9-12  
Local Credit: 1

Students will be placed in the intervention class based on scale scores of EOC test. An individualized plan of study will be developed for each student who have not yet passed a state assessment.

### **Reading**

Reading I - 0221 PEIMS - 03270700  
Reading II - 0222 PEIMS - 03270800  
Reading III - 0223 PEIMS - 03270900

Prerequisite: None  
Grade Level: 9-12  
Credit: 1

Reading I, II, III offers students reading instruction to attain lifelong literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students with mastery of the five critical components of reading.

### **Professional Communications (Speech requirement)**

PROFCOMM - PEIMS - 13009900

Prerequisite: None  
Grade Level: 9-12  
Credit: .5

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct internet research.

\*this course meets the high school Speech graduation requirement

### **Communication Applications**

COMMAPP - 0301 PEIMS - 03241400

Prerequisite: None  
Grade Level: 9-12  
Credit: .5

Students enrolled in Communication Applications will be expected to identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations.

### **Advanced Journalism: Yearbook**

YBK1 - 0261 PEIMS - 03230110  
YBK2 - 0271 PEIMS - 03230110  
YBK3 - 0281 PEIMS - 03230130

Prerequisite: English I and Yearbook Sponsor Approval  
Grade Level: 10-12  
Credit: 1

Students enrolled in Advanced Journalism: Yearbook I, II, III communicate in a variety of forms such as print, digital, or online media for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In Advanced Journalism: Yearbook I, II, III, students are expected to become analytical consumers of media and technology to enhance their communication skills. In addition, students will apply journalistic ethics and standards. Published works of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Advanced Journalism: Yearbook I, II, III will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media.

\*Yearbook 3 meets the 4th year advanced English requirement

### **Gifted and Talented - GT Interdisciplinary Studies Mentor Seminar**

GTISM1 - 9213 PEIMS - N1290309  
GTISM2 - 9214 PEIMS - N1290313  
GTISM3 - 9215 PEIMS - N1290317  
GTISM4 - 9216 PEIMS - N1290318

Prerequisite: Identified GT students  
Grade Level: 9 to 12  
Credit: 1

This course is based on the required, exit level Texas Performance Standards Project (TPSP) for identified gifted and talented (GT) learners; it offers a non-traditional learning experience to students who have the ability to create innovative products or performances. Students will develop a product proposal, compile a portfolio, conduct in-depth research, be matched with a mentor from the business or professional community, and prepare for a public presentation of their product or performance at the end of the school year. An audience that includes expert(s) in the field will evaluate the product or performance. Students work with their mentor to create a related product with real-world application and tangible documentation. The final product will be shared with an audience outside the school setting.

### AVID - Advancement Via Individual Determination

AVID I— 9101	PEIMS - N1290001	AVID I— 9109 - ECHS
AVID II— 9102	PEIMS - N1290002	AVID II— 9110 - ECHS
AVID III—9103	PEIMS - N1290030	AVID III—9111- ECHS
AVID IV—9104	PEIMS - N1290033	AVID IV—9112 - ECHS

Prerequisite: AVID application, teacher approval, and administrative recommendation  
 Grade: 9-12  
 Credit: 1

This class addressed key elements in college preparation: academic survival skills, college entry skills, tutorials, motivational activities, and career and college exploration. Additionally students will improve their oral communication skills through presentation and Socratic Seminar, participate in writing to learn activities, including note taking, learning logs, and essay writing, prepare for college entrance examinations, including the SAT and ACT, and complete and present a multi-grade level portfolio of their work. Students must reapply each year, and may be exited from the program for breaking the AVID contract signed by both parent and student.

## Mathematics

\*Graduation requirement: Algebra I, Geometry, Algebra II, and an advanced math course

Course	Semesters	Credit	Grades Offered**			
			9	10	11	12
Algebra I	2	1	X			
Algebra I Pre-AP	2	1	X			
Geometry	2	1		X		
Geometry Pre-AP	2	1		X		
Geometry in Construction	2	1		X		
Algebra II	2	1			X	
Algebra II Pre-AP	2	1			X	
Mathematical Models with Applications	2	1			X	X
Pre-Calculus	2	1			X	X
Mathematics for Medical Professionals	2	1				X
College Preparatory Mathematics	2	1				X
End of Course Algebra I Intervention	2	1	X	X	X	X

\*\*these are recommended grades offered, please see your counselor for your specific course order

### Algebra I

ALG 1 – 1051 PEIMS - 03100500

Prerequisite: None  
 Grade Level: 9  
 Credit: 1

In Algebra I, students will build on the knowledge and skills for mathematics in Grades 6-8, which provide a foundation in linear relationships, number and operations, and proportionality. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.



**Algebra I Pre-AP**

ALG 1 PAP– 0152 PEIMS - 03100500

Prerequisite: None  
Grade Level: 9  
Credit: 1

Algebra 1 students gain an understanding of the properties of real numbers, formalize the language of functions, and explore the behavior of functions numerically, graphically, analytically, and verbally.

Students use technology to discover relationships, test inferences, and solve problems and write expressions, equations, and inequalities from physical models. The goal is to communicate mathematics understanding formally and informally. Students are expected to challenge the AP Algebra I exam for college credit.

**Geometry**

GEOM – 1061 PEIMS - 03100700

Prerequisite: Algebra I  
Grade Level: 10  
Credit: 1

Within this course, students will begin to focus on terminology that is more precise, symbolic representations, and the development of proofs. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; proof and congruence; similarity, proof, and trigonometry; two- and three-dimensional figures; circles; and probability. Students will connect previous knowledge from Algebra I to Geometry through the coordinate and transformational geometry strand. In the logical arguments and constructions strand, students are expected to create formal constructions using a straightedge and compass. Though this course is primarily Euclidean geometry, students should complete the course with an understanding that non-Euclidean geometries exist. In proof and congruence, students will use deductive reasoning to justify, prove and apply theorems about geometric figures.

**Geometry Pre-AP**

GEOM PAP – 1071 PEIMS - 03100700

Prerequisite: Algebra I (Algebra I Pre-AP suggested)  
Requirements: Passed Algebra 1 EOC and 80 or above grade average  
Grade Level: 10  
Credit: 1

Geometry students will read, analyze, and solve right triangle and trigonometric functions within contextual situations. Students will develop area formulas necessary for determining volumes of rotational solids, solids with known cross sections, and area beneath a curve. Students will explain work clearly, so that the reasoning process can be followed throughout the solution. It is expected that students challenge the AP Geometry exam for college credit upon completion of the course.

**Geometry in Construction**

AGMECHMT– PEIMS - 13002200

Prerequisite: Algebra I  
Co-Requisite: Concurrent enrollment in Construction course  
Grade Level: 10  
Credit: 1

This course is designed to teach geometric concepts through a hands-on construction technology lab. In Geometry in Construction, students will: learn safety, problem solving, machine and tool use, and drawing interpretation. Students will be exposed to practical skills in building and carpentry trades by constructing a small structure. The students will use various alternative materials in addition to wood, understand and exploit the interdependence between algebra and geometry and learn a core set of geometry facts. The students will use coordinate geometry in the study of area, perimeter, volume, transformations, congruence, and functions. All TEKS for Construction and Geometry will be addressed. Students in this program will be required to follow all safety rules and regulations, including appropriate shoes and dress. Previous construction experience is NOT required.

\*This course is scheduled for two consecutive class periods each day

## **Algebra II**

ALG 2 – 1081 PEIMS - 03100600

Prerequisite: Algebra I  
Grade Level: 11-12  
Credit: 1

Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations.

## **Algebra II Pre-AP**

ALG 2 PAP – 1091 PEIMS - 03100600

Prerequisite: Algebra I (Algebra I Pre-AP suggested)  
Requirements: Passed Algebra I EOC and 80 or above grade average  
Grade Level: 11  
Credit: 1

Algebra II AP students develop the algebra of functions through operations, composition, and inverses and read and analyze contextual situations involving exponential and logarithmic functions. Students will work with functions graphically, numerically, analytically, and verbally and learn optimization problems. Students compare the relative rate of change of linear and exponential functions and learn the concept of infinite sum as a limit of partial sums. Students work with statistics in numerical summaries and calculations using the normal, curve, and the modeling of data. Students are expected to challenge the Algebra II AP exam upon completion of the course for college credit.

## **Mathematical Models with Applications**

MTHMOD – 1101 PEIMS - 03102400

Prerequisite: Algebra I  
Grade Level: 11-12  
Credit: 1

Mathematical Models with Applications is designed to build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. This mathematics course provides a path for students to succeed in Algebra II and prepares them for various post-secondary choices. Students learn to apply mathematics through experiences in personal finance, science, engineering, fine arts, and social sciences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, model information, solve problems, and communicate solutions. Students will select from tools such as physical objects; manipulatives; technology, data collection devices, and computers; and from methods such as algebraic techniques, geometric reasoning, patterns, and mental math to solve problems.

## **Pre-Calculus**

PRECAL - 1111 PEIMS - 03101100

Prerequisite: Algebra I, Geometry, Algebra II  
Grade Level: 11-12  
Credit: 1

Pre-calculus is the preparation for calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Pre-Calculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

## **Mathematics for Medical Professionals**

MTHMEDPR— 8075 PEIMS - 13020970

Prerequisite: Geometry, Algebra II  
Grade Level: 12  
Credit: 1

This course may meet the requirements for the fourth mathematics credit. By embedding statistics, probability, and finance, while focusing on fluency and solid understanding in medical mathematics, students will extend and apply mathematical skills necessary for health science professions. Course content consists primarily of high school level mathematics concepts and their applications to health science professions.

### College Preparatory Mathematics

CPMAT - 1126 PEIMS - CP111200

Prerequisite: Algebra I, Geometry  
Grade Level: 12  
Credit: 1

College Prep Mathematics was developed with McLennan Community College to prepare students to be successful in entry-level college courses. Students whose performance on an EOC assessment instrument does not meet college readiness standards or whose performance on coursework, a college entrance exam (TSI, ACT, SAT) is eligible for this course. Successful students may use this credit toward satisfying the advanced Mathematics curriculum. Students will develop an understanding of elementary and intermediate algebra and functions, geometry and measurement, and data analysis, statistics and probability.

### End of Course Algebra I Intervention

MATHINT - 1002

Prerequisite: None  
Grade Level: 9-12  
Local Credit: 1

Students will be placed in the intervention class based on scale scores of EOC test. An individualized plan of study will be developed for each student who have not yet passed a state assessment.

## Science

\*Graduation requirement: Biology and three (3) additional Science courses

Course	Semesters	Credit	Grades Offered			
			9	10	11	12
Integrated Physics and Chemistry	2	1	X	X	X	X
Biology	2	1	X	X		
Biology Pre-AP	2	1	X	X		
Chemistry	2	1		X	X	X
Physics	2	1		X	X	X
Environmental Systems	2	1	X	X	X	X
Forensic Science	2	1			X	X
Anatomy and Physiology	2	1			X	X
Food Science	2	1				X

\*\*these are recommended grades offered, please see your counselor for your specific course order

### Integrated Physics and Chemistry

IPC - 2001 PEIMS - 03060201

Prerequisite: placement based on state assessment score  
Grade Level: 9-12  
Credit: 1

In Integrated Physics and Chemistry, students conduct laboratory and field investigations, use scientific methods during investigation, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry in the following topics: force, motion, energy, and matter.

## **Biology**

BIO – 2011 PEIMS - 03010200

Prerequisite: None  
Grade Level: 9 or 10  
Credit: 1

In Biology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Biology study a variety of topics that include: structures and functions of cells and viruses; 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.

## **Biology Pre-AP**

PAPBIO – PEIMS - 03010200

Prerequisite: None  
Grade Level: 9 or 10  
Credit: 1

This course concentrates on the core areas of ecological systems, cellular systems, evolution, and genetics. Rather than understanding content topics in isolation, students will make meaningful connections between the structures, processes, and interactions that exist across biological systems—from cells to ecological communities. In Pre-AP Biology, students will: Be active participants in analyzing real-world phenomena; Apply science practices to construct and revise their knowledge; regularly collaborate with their peers in dialogue, investigations, and problem solving.

## **Chemistry**

CHEM – 2041 PEIMS - 03040000

Prerequisite: Algebra I, One Unit of Science  
Grade Level: 10-12  
Credit: 1

In Chemistry, 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 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. Students will investigate how chemistry is an integral part of our daily lives.

## **Physics**

PHYSICS – 2075 PEIMS - 03050000

Prerequisite: Algebra I  
Grade Level: 10-12  
Credit: 1

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 laws 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 who successfully complete Physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues, and develop critical thinking skills.

## **Environmental Systems**

ENVIRSYS – 2091 PEIMS - 03020000

Prerequisites: None  
Grade Level: 9-12  
Credit: 1

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

## **Forensic Science**

FORENSCI – 8077 PEIMS - 13029500

Prerequisite: Biology and Chemistry  
 Grade Level: 11-12  
 Credit: 1

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn technology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. Scientific methods of investigation can be experimental, descriptive, or comparative. The method chosen should be appropriate to the question being asked.

**Anatomy and Physiology**

ANATPHYS – 2101 PEIMS - 13020600

Prerequisite: Biology and a second science credit  
 Grade Level: 11-12  
 Credit: 1

In Anatomy and Physiology, students conduct laboratory and field 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.

**Food Science**

FOODSCI – 8048 PEIMS - 13023000

Prerequisite: Biology, Chemistry and a third science  
 Grade Level: 12  
 Credit: 1

In Food Science, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public.

**End of Course Biology Intervention**

BIO INTERV - 2010

Prerequisite: None  
 Grade Level: 9-12  
 Local Credit: 1

Students will be placed in the intervention class based on scale scores of EOC test and/or 8th grade science STAAR. An individualized plan of study will be developed for each student who has not passed the state assessment.

**Social Studies**

\*Graduation requirement: United States History, Government, Economics, and either World History or World Geography

Course	Semesters	Credit	Grades Offered**			
			9	10	11	12
World Geography Studies	2	1	X	X	X	X
World History Studies	2	1	X	X		
World History Studies AP	2	1	X	X		
United States History Studies Since 1877	2	1			X	
United States Government	2	1		X	X	X
Economics	2	1		X	X	X

End of Course United States History Studies Since 1877 Intervention	2	1				X
Personal Financial Literacy	1	0.5			X	X
Psychology	1	0.5			X	X
Sociology	1	0.5			X	X

\*\*these are recommended grades offered, please see your counselor for your specific course order

### World Geography Studies

WGEO - 3001 PEIMS - 03320100

Prerequisite: None  
Grade Level: 9-12  
Credit: 1

World Geography Studies, students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. Students describe the influence of geography on events of the past and present with emphasis on contemporary issues. A significant portion of the course centers around the physical processes that shape patterns in the physical environment; the characteristics of major landforms, climates, and ecosystems and their interrelationships; the political, economic, and social processes that shape cultural patterns of regions; types and patterns of settlement; the distribution and movement of the world population; relationships among people, places, and environments; and the concept of region. Students analyze how location affects economic activities in different economic systems and identify the processes that influence political divisions of the planet and analyze how different points of view affect the development of public policies. Students use problem-solving and decision-making skills to ask and answer geographic questions.

### World History Studies

WHIST - 3011 PEIMS - 03340400

Prerequisite: None  
Grade Level: 9-10  
Credit: 1

World History Studies is a survey of the history of humankind. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. Students evaluate the causes and effects of political and economic imperialism and of major political revolutions since the 17th century. Students examine the impact of geographic factors on major historic events and identify the historical origins of contemporary economic systems. Students analyze the process by which constitutional governments evolved as well as the ideas from historic documents that influenced that process. Students trace the historical development of important legal and political concepts. Students examine the history and impact of major religious and philosophical traditions. Students analyze the connections between major developments in science and technology and the growth of industrial economies, and they use the process of historical inquiry to research, interpret, and use multiple sources of evidence.

### World History AP

WHIST AP- 3017 PEIMS - 03340400

Prerequisite: None  
Requirements: 80 or above average  
Grade Level: 9-10  
Credit: 1

AP World History is designed to be the equivalent of a two-semester introductory college or university World History course. In AP World History, students investigate significant events, individuals, developments, and processes in six historical periods from approximately 8000 B.C.E to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course provides five themes that students explore throughout the course in order to make connections among historical development and interaction of cultures; state building, expansion, conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures.

### **United States History Studies Since 1877**

USHIST - 3021 PEIMS - 03340100

Prerequisite: None  
Grade Level: 11  
Credit: 1

The course content is based on the founding documents of the U.S. government, which provide a framework for its heritage. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies, and reform movements, including civil rights. Students examine the impact of geographic factors on major events and eras and analyze their causes and effects. Students examine the impact of constitutional issues on American society, evaluate the dynamic relationship of the three branches of the federal government, and analyze efforts to expand the democratic process. Students describe the relationship between the arts and popular culture and the times during which they were created. Students analyze the impact of technological innovations on American life. Students use critical-thinking skills and a variety of primary and secondary source material to explain and apply different methods that historians use to understand and interpret the past, including multiple points of view and historical context.

### **United States Government**

GOVT A - 3031 PEIMS - 03330100  
GOVT B - 3032

Prerequisite: World History  
Grade Level: 10-12  
Credit: .5

In United States Government, the focus is on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels. This course is the culmination of the civic and governmental content and concepts studied from Kindergarten through required secondary courses. Students learn major political ideas and forms of government in history. A significant focus of the course is on the U.S. Constitution, its underlying principles and ideas, and the form of government it created. Students analyze major concepts of republicanism, federalism, checks and balances, separation of powers, popular sovereignty, and individual rights and compare the U.S. system of government with other political systems. Students identify the role of government in the U.S. free enterprise system and examine the strategic importance of places to the United States.

### **Economics**

ECO-FE A - 3051 PEIMS - 03310300  
ECO-FE B - 3052

Prerequisite: World History  
Grade Level: 10-12  
Credit: .5

Economics with Emphasis on the Free Enterprise System and Its Benefits is the culmination of the economic content and concepts studied from Kindergarten through required secondary courses. The focus is on the basic principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world. Students analyze the interaction of supply, demand, and price. Students will investigate the concepts of specialization and international trade, economic growth, key economic measurements, and monetary and fiscal policy. Students will study the roles of the Federal Reserve System and other financial institutions, government, and businesses in a free enterprise system. Types of business ownership and market structures are discussed. The course also incorporates instruction in personal financial literacy. Students apply critical-thinking skills using economic concepts to evaluate the costs and benefits of economic issues.

### **End of Course United States History Studies Since 1877 Intervention**

USHIST INTERV-3025

Prerequisite: None  
Grade Level: 12  
Local Credit: 1

Students will be placed in the intervention class based on scale scores of EOC test. An individualized plan of study will be developed for each student who have not yet passed a state assessment.

## **PSYCHOLOGY**

PSYCH - 3070 PEIMS - 03350100

Prerequisite: World History or World Geography  
Grade Level: 11-12  
Credit: .5

Students study the science of behavior and mental processes. Students examine the full scope of the science of psychology such as the historical framework, methodologies, human development, motivation, emotion, sensation, perception, personality development, cognition, learning intelligence, biological foundations, mental health, and social psychology.

## **SOCIOLOGY**

SOCIO - 3080 PEIMS - 03370100

Prerequisite: World History or World Geography  
Grade Level: 11-12  
Credit: .5

This course is an introductory study in social behavior and organization of human society. This course will describe the development of the field as a social science by identifying methods and strategies of research leading to an understanding of how the individual relates to society and the ever changing world. Students will also learn the importance and role of culture, social structure, socialization, and social change in today's society.

## **PERSONAL FINANCIAL LITERACY**

PFL-3059 PEIMS - 03380082

Prerequisite: None  
Grade Level: 11-12  
Credit: .5

Personal Financial Literacy provides instruction in concepts related to personal finance, especially, methods of paying for college and other postsecondary education and training.

## **Physical Education**

\*Graduation requirement: one (1) PE Credit

\*\*After your one (1) PE credit has been earned, any other PE course taken will count as an elective

### **Physical Education**

PE1A - 4031  
PE 1B - 4052 PEIMS - PES00052

Prerequisites: None  
Grade Level: 9-10  
Credit: 1

This course covers physical fitness, conditioning, team and individual lifetime sports activities. It also stresses safety rules, strategies, and sportsmanship in all activities.

### **Athletics**

Girls		Boys	
SUBATH1 G - 4071	PEIMS - PES00000	SUBATH1 B - 4075	PEIMS - PES00000
SUBATH2 G - 4072	PEIMS - PES00001	SUBATH2 B - 4076	PEIMS - PES00001
SUBATH3 G - 4073	PEIMS - PES00002	SUBATH3 B - 4077	PEIMS - PES00002
SUBATH4 G - 4074	PEIMS - PES00003	SUBATH4 B - 4078	PEIMS - PES00003

Prerequisite: Coaches' Selection  
Grade Level: 9-12  
Credit: 1 each year

Enrollment in athletics is subject to the criteria established by the athletic director and approved by the LVISD Board of Trustees.

\*First year of this course will count as the one (1) PE credit graduation requirement



## **Cheerleading**

SUB CHEER - 4053 PEIMS - PES00013

Prerequisite: Coach's Selection  
Grade Level: 9-12  
Credit: 1 each year

Cheerleading criteria is established by the coach and approved by the LVISD Board of Trustees.

\*First year of this course will count as the one (1) PE credit graduation requirement

## **Team Sports Officiating**

TEAMOFF - 9220

Prerequisite: None  
Grade Level: 9-12  
Credit: 1

Students will learn rules and regulations of selected team sports, developing skills in the areas of communication, decision-making, and conflict management. Students will work with coaches, players, other officials, and parents. Students will have the opportunity to officiate at various levels and manage responsibilities that come with the role. Students will develop a personal fitness and injury prevention plan that directly relates to the needs of an official. Cardiopulmonary resuscitation (CPR), use of an automated external defibrillator (AED), and basic first aid skills taught in class.

\*this course does **NOT** satisfy a PE graduation requirement

## **Naval Junior Reserve Officers Training Corps (NJROTC)**

NJROTC 1 - 9051 PEIMS - 03160100  
PENJROTC 1 - 4151 PEIMS - PES00004 (for PE credit)

NJROTC II - 9061 PEIMS - 03160200  
NJROTC III - 9071 PEIMS - 03160300  
NJROTC IV - 9081 PEIMS - 03160400

Prerequisites: None  
Grade Level: 9-12  
Credit: 1 each year

NJROTC is a progressive four year, coeducational elective course offering. The curriculum consists of the following topics: An introduction to the Navy including its history and traditions, Naval operations, navigation, seamanship, drill commands, and ceremonies. Physical training is a weekly classroom activity. Students are required to wear their uniform (provided by the Navy) to school one day per week. Extracurricular opportunities include orienteering, close-order drill team, unarmed drill team, precision air rifle team, academic team and color guard. Student may take annual orientation trips to naval stations nationwide. Completion of two years in NJROTC can result in advanced placement in the Armed Forces. Students who participate in NJROTC are under no military obligation after participating in the program.

\*First year of this course could count as the one (1) PE credit graduation requirement

## **Foreign Language**

\*Graduation requirement: two (2) credits in the same foreign language

### **Spanish I / Spanish I for Spanish Speakers\***

SPAN1- 5001 PEIMS - 03440100  
SSSPAN1 - 5002 PEIMS - 03440100

Prerequisite: None  
Grade Level: 9-12  
Credit: 1

This is a basic course in Spanish; basic skills are taught in the areas of speaking, reading and writing the language. Students also explore the cultural backgrounds of Spanish-speaking countries.

\*The Spanish Speakers version of this course covers the same objectives found in the Spanish I curriculum, but with an advanced focus which takes into consideration the needs of the native speakers in the class in order to further develop their mastery level of reading, writing and speaking in formal standard Spanish.

### **Spanish II / Spanish II for Spanish Speakers\***

SPAN2 – 5011 PEIMS - 03440200  
SSSPAN2 - 5012 PEIMS - 03440200

Prerequisite: Spanish I  
Grade Level: 9-12  
Credit: 1

This class is a continuation of Spanish I, with the objective to increase understanding and fluency with the language in the areas of vocabulary, structure, conversation, reading, and culture.

\*The Spanish Speakers version of this course covers the same objectives found in the Spanish II curriculum, but with an advanced focus, which takes into consideration the needs of the native speakers in the class in order to further, develop their mastery level of reading, writing and speaking in formal standard Spanish.

### **Spanish III**

SPAN 3 – 5021 PEIMS - 03440300

Prerequisite: Spanish I and Spanish II  
Grade Level: 10-12  
Credit: 1

This course begins language skills for active communication in conversational Spanish, as well as developing vocabulary, grammar and syntax skills, and reading expression.

### **SPANISH IV AP**

SPAN 4 – 5031 PEIMS - 03440400

Prerequisite: Spanish I, Spanish II, and Spanish III  
Grade Level: 11-12  
Credit: 1

The AP Spanish Language and Culture course is intended for the highly motivated and capable student who would benefit from a more accelerated pace of learning and additional, more challenging areas of study. AP Spanish Language and Culture is a course for students who have completed the Spanish 3 or the Spanish 4 course and/or have been recommended by his/her teacher for the AP level. The class will focus on both grammatical accuracy and communicative fluency. Grammatical knowledge and vocabulary will be refined and expanded so that, as a student, you will be able to more easily comprehend written and spoken Spanish, and more easily express your own ideas when writing and speaking. This class will allow you to continue to building proficiency in the areas of reading, writing, listening, and speaking through a variety of interactive and non-interactive activities such as compositions, essays, oral presentation, role-plays, in-depth studies of Spanish and Latin American literature, history, and geography.

### **Computer Science I**

TACS1 - 8081 PEIMS - 03580200

Prerequisite: Algebra I  
Grade Level: 10-12  
Credit: 1

The technology applications curriculum has six strands based on the National Educational Technology Standards for Students (NETS•S) and performance indicators developed by the International Society for Technology in Education (ISTE): creativity and innovation; communication and collaboration; research and information fluency; critical thinking, problem solving, and decision-making; digital citizenship; and technology operations and concepts.

(2) Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts. Two credits in computer programming languages (Computer Science I, II, and III satisfy the graduation requirement of two credits for Languages other than English.)

## Computer Science II

TACS2 - 8082 PEIMS - 03580300

Prerequisite: Algebra I, Computer Science I  
Grade Level: 11-12  
Credit: 1

Computer Science II will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of computer science through the study of technology operations, systems, and concepts. (Computer Science I, II, and III satisfy the graduation requirement of two credits for Languages other than English.)

## Fine Arts

\*Graduation requirement: one (1) fine arts credit

\*\*After your one (1) fine arts credit has been earned, any other fine arts course taken will count as an elective

### Art I

ART1 - 6011 PEIMS - 03500100

Prerequisite: None  
Grade Level: 9-12  
Credit: 1

This course introduces basic art skills in drawing, painting, and three-dimensional design and art criticism. Students develop an art vocabulary and test their knowledge of art terms and art skills by developing original compositions based on the art elements and principles of design. Projects, written tests, sketches and class participation determine grades. Students will purchase selected supplies. Students earning a semester average of 80 or above will may earn articulated college credit.

### ART II

ART2 - 6021 PEIMS - 03500500

### ART III

ART3 - 6031 PEIMS - 03501300

### ART IV

ART4 - 6041 PEIMS - 03502300

### Studio AP

AP ART STUDIO - 6049 Art PEIMS - A3500300

Prerequisite: Grade of 80 or better in each preceding Art course or Teacher approval  
Grade Level: 10-12  
Credit: 1

This course introduces more advanced art skills in drawing, painting, and three-dimensional design and art criticism. Students develop a more advanced art vocabulary and test their knowledge of art terms and art skills by developing original compositions based on the art elements and principles of design. Projects, written tests, sketches and class participation determine grades. Students may be required to purchase selected supplies.

AP Studio Art has been developed to accommodate serious art students who have expressed an interest in completing the AP Drawing Portfolio or the AP 2-D Design Portfolio. Through studio practice, application of design concepts and informed decision making, these students will assemble a body of artwork that demonstrates a high level of quality and growth over time of content, technique, and process. Students will investigate all three parts of their portfolios as required by the AP College Board: Quality, Concentration, and Breadth. All work will be documented throughout the year by digital photos and by PowerPoint.

**Band I**

MUS1BAND - 6101 PEIMS - 03150100

Prerequisite: Band Director's Approval  
 Grade Level: 9-12  
 Credit: 1

This course stresses building of fundamentals to strengthen playing ability, musicianship, public performances, mental and physical discipline, as well as responsibility to a corporate endeavor. This group appears at football games, pep rallies, parades, civic functions, and participates in All-Region, All-Area, and All-State tryouts, UIL Solo and Ensemble, UIL Marching, Concert/Sight-Reading Competition, and selected festivals. Practice sessions before and/or after school.

\*two (2) fall semesters of band could count as the one(1) PE credit and the two (2) spring semesters of band could count as the one (1) fine arts credit - see your counselor for more information

**Band II**

MUS2BAND - 6111 PEIMS - 03150200

**Band III**

MUS3BAND - 6121 PEIMS - 03150300

**Band IV**

MUS4BAND - 1631 PEIMS - 03150400

Prerequisite: Band Director's Approval  
 Grade Level: 9-12  
 Credit: 1

This course stresses building of fundamentals to strengthen playing ability, musicianship, public performances, mental and physical discipline, as well as responsibility to a corporate endeavor. This group appears at football games, pep rallies, parades, civic functions, and participates in All-Region, All-Area, and All-State tryouts, UIL Solo and Ensemble, UIL Marching, Concert/Sight-Reading Competition, and selected festivals. Practice sessions before and/or after school.

**Choir I**

MUS1CHOR - 6090 PEIMS - 03150900

Prerequisite: None  
 Grade Level: 9-12  
 Credit: 1

The foundation of music literacy is fostered through reading, writing, reproducing, and creating music, thus developing a student's intellect. Through creative expression, students apply their music literacy and the critical-thinking skills of music to sing, play, read, write, and/or move. By experiencing musical periods and styles, students will understand the relevance of music to history, culture, and the world, including the relationship of music to other academic disciplines and the vocational possibilities offered. Through critical listening, students analyze, evaluate, and respond to music, developing criteria for making critical judgments and informed choices.

\*This course satisfies a fine arts graduation requirement

**Choir II**

MUS2CHOR - 6091

**Choir III**

MUS3CHOR - 6092

**Choir IV**

MUS4CHOR - 6093

Prerequisite: Successful completion of each preceding Choir course  
 Grade Level: 10-12  
 Credit: 1

The foundation of music literacy is fostered through reading, writing, reproducing, and creating music, thus developing a student's intellect. Through creative expression, students apply their music literacy and the critical-thinking skills of music to sing, play, read, write, and/or move. By experiencing musical periods and styles, students will understand the relevance of music to history, culture, and the world, including the relationship of music to other academic disciplines and the vocational possibilities offered. Through critical listening, students analyze, evaluate, and respond to music, developing criteria for making critical judgments and informed choices.

## Floral Design

FLORAL – 8106

Prerequisite: None  
Grade Level: 9-12  
Credit: 1

Floral Design will develop students' 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. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, this contributing to the development of lifelong skills of making informed judgments and evaluations.

## Theatre Arts I

TH1 - 6051 PEIMS - 03250100

Prerequisite: None  
Grade Level: 9-12  
Credit: 1

\*This course satisfies a fine arts graduation requirement

Students today are anxious to be "where the action is." This introductory theater class will offer students the "action" with valuable projects and assignments that will allow them to compare these experiences to life situations. In this course, students will study voice, improvisation, stage directions, characterization, play analysis, theater history, and production. All of these are geared toward helping the students experience success in the theater.

## Theatre Arts II

TH2 - 6061 PEIMS - 03250200

## Theatre Arts III

TH3 - 6071 PEIMS - 03250300

## Theatre Arts IV

TH4 - 6081 PEIMS - 03250400

Prerequisite: Grade of 80 or better in each preceding Theater Arts course or Teacher approval  
Grade Level: 10-12  
Credit: 1

Students today are anxious to be "where the action is." These advanced theater classes will offer students this "action" with valuable projects and assignments that will allow them to compare these experiences to life situations. In this course, students will study voice, improvisation, stage directions, characterization, play analysis, theater history, and production. All of these are geared toward helping the students experience success in the theater.

## Business & Industry Endorsement

### Agriculture, Food, and Natural Resources

#### Horticulture Pathway

Professional Communications (.5) / Dollars & Sense (.5)  
Floral Design (1) Fine Art credit  
Career Preparation I (3)  
Career Preparation II (3)

### Architecture & Construction

#### Construction Technology Pathway

Professional Communications (.5) / Dollars & Sense (.5)  
Architectural Design I (1)  
Principles of Construction (1)  
Construction Technology I (2)  
Construction Technology II (2)  
Practicum in Construction Technology (2)  
Career Preparation I (3)  
Career Preparation II (3)

### Hospitality & Tourism Culinary Arts Pathway

Professional Communications (.5) / Dollars & Sense (.5)  
Culinary Arts I (2)  
Culinary Arts Dual Credit (TSTC)  
Food Science (1) Science Credit  
Career Preparation I (3)  
Career Preparation II (3)

### Arts, A/V Technology, & Communications

#### Audio Video Productions Pathway

Professional Communications (.5) / Dollars & Sense (.5)  
Graphic Design & Illustration I (1)  
Graphic Design & Illustration II (1)  
Video Game Design (1)  
Fashion Design I (1)  
Audio/Video Production Lab I (2)  
Audio/Video Production Lab II (2)  
Commercial Photography I (1)  
Commercial Photography II (1)  
Career Preparation I (3)  
Career Preparation II (3)

### Business Management & Administration

#### Business Administration Pathway

Professional Communications (.5) / Dollars & Sense (.5)  
Principles of Business, Marketing, and Finance (1)  
Business Information Management I (1)  
Business Information Management II / Business Lab (2)  
Practicum in Business Management (2)  
Career Preparation I (3)  
Career Preparation II (3)

## Public Services Endorsement

### Education & Training

#### Teaching Pathway

Professional Communications (.5) / Dollars & Sense (.5)  
Child Development (1)  
Child Guidance (2)  
Instructional Practices (2)  
Practicum in Education & Training (2)  
Career Preparation I (3)  
Career Preparation II (3)

### Health Science

#### Health Science Careers Pathway

Professional Communications (.5) / Dollars & Sense (.5)  
Medical Terminology (1)  
Health Science Theory (1)  
Anatomy & Physiology (1) Science credit  
Pharmacology (1)  
Pathophysiology (1) Science credit  
Mathematics for Medical Professionals (1) Math credit  
Career Preparation I (3)  
Career Preparation II (3)

### Human Services

#### Counseling and Mental Health Pathway

Professional Communications (.5) / Dollars & Sense (.5)  
Child Development (1)  
Lifetime Nutrition & Wellness (.5)  
Child Guidance (2)  
Family and Community Services (1)  
Counseling and Mental Health (1)  
Anatomy & Physiology (1) Science Credit

### Law, Public Safety, Corrections, & Security

#### Law Enforcement Pathway

Professional Communications (.5) / Dollars & Sense (.5)  
Law Enforcement I (1)  
Law Enforcement II (1)  
Criminal Investigation (1)  
Disaster Response (1)  
Forensic Science (1) Science credit  
Court Systems & Practices (1)  
Career Preparation I (3)  
Career Preparation II (3)

## Arts & Humanities

<u>Spanish</u>	<u>Theater</u>	<u>Art</u>	<u>Band</u>	<u>Choir</u>
Spanish I Spanish II Spanish III Spanish IV	Theater I Theater II Theater III Theater IV	Art I Art II Art III Art IV	Band I Band II Band III Band IV	Choir I Choir II Choir III Choir IV

### Social Studies

A total of five (5) credits in Social Studies courses – see Social Studies section above for course options

## Multidisciplinary Studies

### Four (4) credits in each of the following subject areas:

Four (4) English courses  
Four (4) Math courses  
Four (4) Science courses  
Four (4) Social Studies courses

### Four (4) credits in Dual Credit selected from the following:

English  
Math  
Science  
Social Studies

## STEM

### Math

A total of five (5) credits of Science Courses, must include:

Algebra I  
Geometry  
Algebra II  
Two (2) additional advanced Math courses that require Algebra II as a prerequisite

### Science

A total of five (5) credits of Science Courses, must include:

Biology  
Chemistry  
Physics  
Two (2) additional Science Courses

## Agriculture, Food, and Natural Resources

### Professional Communications (Speech requirement)

PROFCOMM - PEIMS - 13009900

Prerequisite: None  
Grade Level: 9-12  
Credit: .5



**Agriculture,  
Food &  
Natural  
Resources**

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct internet research.

### **Dollars & Sense (paired with Professional Communications)**

DOLLARSE- PEIMS - 13024300

Prerequisite: None  
Grade Level: 9-12  
Credit: .5

Dollars and Sense focuses on consumer practices and responsibilities, money management processes, decision-making skills, impact of technology, and preparation for a sound financial future.

### **Floral Design**

FLORAL – 8106 PEIMS - 13001800

Prerequisite: None  
Grade Level: 9-12  
Credit: 1

Floral Design will develop students' 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. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, this contributing to the development of lifelong skills of making informed judgments and evaluations.

### **Career Preparation I**

EXCAREE1 - 8064 PEIMS - 12701305

Prerequisite: Must be at least 16 years of age and have stable employment  
Grade Level: 11-12  
Credit: 3

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

\*Please see CTE Coordinator for application for Career Prep course. Proof of employment required

### **Career Preparation II**

EXCAREE2 - 8066 PEIMS - 12701405

Prerequisite: Successful completion of Career Preparation I; Must be at least 16 years of age and have stable employment  
Grade Level: 12  
Credit: 3

Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success. The goal is to prepare students for a variety of skills for a changing workplace.

\*Please see CTE Coordinator for application for Career Prep course. Proof of employment required

## **Architecture and Construction**



**Architecture &  
Construction**

### **Professional Communications (Speech requirement)**

PROFCOMM - PEIMS - 13009900

Prerequisite: None  
Grade Level: 9-12  
Credit: .5

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct internet research.



\*this course meets the high school Speech graduation requirement

**Dollars & Sense (paired with Professional Communications)**

DOLLARSE- PEIMS - 13024300

Prerequisite: None  
Grade Level: 9-12  
Credit: .5

Dollars and Sense focuses on consumer practices and responsibilities, money management processes, decision-making skills, impact of technology, and preparation for a sound financial future.

**Dollars & Sense (paired with Professional Communications)**

DOLLARSE- PEIMS - 13024300

Prerequisite: None  
Grade Level: 9-12  
Credit: .5

Dollars and Sense focuses on consumer practices and responsibilities, money management processes, decision-making skills, impact of technology, and preparation for a sound financial future.

**Principles of Construction**

PRINCON - 8100 PEIMS - 13004220

Prerequisite: None  
Grade Level: 9-12  
Credit: 1

Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment.

**Architectural Design I**

ARCHDSN1 PEIMS - 13004600

Prerequisite: Algebra I and English I  
Grade Level: 10-12  
Credit: 1

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

**Construction Technology I**

CONTECH1 – 8086 PEIMS - 13005100

Prerequisite: None  
Grade Level: 10-12  
Credit: 2

In Construction Technology I, students gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students acquire knowledge and skills in safety, tool usage, building materials, codes, and framing.

\*This course is scheduled for two (2) class periods each day.

**Construction Technology II**

CONTECH2 – 8089 PEIMS - 13005200

Prerequisite: Construction Technology I  
 Grade Level: 11-12  
 Credit: 2

In Construction Technology II, students gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or prepare for a postsecondary degree in construction management, architecture, or engineering. Students build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills.

\*This course is scheduled for two (2) class periods each day.

**Practicum in Construction Technology**

PRACCT1– 8100 PEIMS - 13005250

Prerequisite: Construction Technology II  
 Grade Level: 12  
 Credit: 2

In Practicum in Construction Technology, students will be challenged with the application of gained knowledge and skills from Construction Technology I and II. In many cases, students will be allowed to work at a job (paid or unpaid) outside of school or be involved in local projects the school has approved from this class.

\*This course is scheduled for two (2) class periods each day

**Career Preparation I**

EXCAREE1 - 8064 PEIMS - 12701305

Prerequisite: Must be at least 16 years of age and have stable employment  
 Grade Level: 11-12  
 Credit: 3

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

\*Please see CTE Coordinator for application for Career Prep course. Proof of employment required

**Career Preparation II**

EXCAREE2 - 8066 PEIMS - 12701405

Prerequisite: Successful completion of Career Preparation I; Must be at least 16 years of age and have stable employment  
 Grade Level: 12  
 Credit: 3

Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success. The goal is to prepare students for a variety of skills for a changing workplace.

\*Please see CTE Coordinator for application for Career Prep course. Proof of employment required

**Optional Year 3 and/or 4: Greater Waco Advanced Manufacturing Academy (GWAMA)**

Prerequisite: Dependent on application process  
 Grade Level: 11-12  
 Credit: 4

The Greater Waco Advanced Manufacturing Academy will create a challenging learning environment that encourages student success in professions of welding, precision metal manufacturing, and electronics and robotics. GWAMA will empower students to be successfully competitive and workforce ready in the community and larger global society. Students will take math, science, and dual credit welding/precision metal manufacturing courses at a Waco ISD location.

\*Students will attend GWAMA half days in the morning. Students must have passing grades and good attendance to apply. Students must have passing scores on Biology, English I, English II, and Algebra EOCs.

# Arts, A/V Technology, and Communications



Arts, A/V  
Technology &  
Communications

## **Professional Communications (Speech requirement)**

PROFCOMM - PEIMS - 13009900

Prerequisite: None  
Grade Level: 9-12  
Credit: .5

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct internet research.

\*this course meets the high school Speech graduation requirement

## **Dollars & Sense (paired with Professional Communications)**

DOLLARSE- PEIMS - 13024300

Prerequisite: None  
Grade Level: 9-12  
Credit: .5

Dollars and Sense focuses on consumer practices and responsibilities, money management processes, decision-making skills, impact of technology, and preparation for a sound financial future.

## **Graphic Design and Illustration I**

GRAPHDI1 - 8015 PEIMS - 13008800

Prerequisite: None  
Grade Level: 9-12  
Credit: 1

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

## **Graphic Design and Illustration II**

GRAPHDI2 - 8014 PEIMS - 13008900

Prerequisite: Graphic Design and Illustration I  
Grade Level: 10-12  
Credit: 1

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills.

## **Fashion Design I**

FASHDSN1 - 8014 PEIMS - 13009300

Prerequisite: None  
Grade Level: 10-12  
Credit: 1

Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will develop an understanding of the fashion industry with an emphasis on design and construction.

**Video Game Design**

VIGD - 8008 PEIMS - 13009970

Prerequisite: None  
 Grade Level: 9-12  
 Credit: 1

Video Game Design will allow students to explore one of the largest industries in the global marketplace and the new emerging careers it provides in the field of technology. Students will learn gaming, computerized gaming, evolution of gaming, artistic aspects of perspective, design, animation, technical concepts of collision theory, and programming logic. Students will participate in a simulation of a real video game design team while developing technical proficiency in constructing an original game design.

**Audio/Visual Production I / Audio/Visual Production I Lab**AVPROD1 - 8003  
AVPLAB1 - 8004 PEIMS - 13008510

Prerequisite: None  
 Grade Level: 11-12  
 Credit: 2

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will develop an understanding of the industry with a focus on pre-production, production, and post-production audio and visual products.

Requiring a lab requisite for the course affords necessary time devoted specifically to the production and post-production process.

\*This course is scheduled for two (2) class periods each day.

**Audio/Visual Production II / Audio/Visual Production II Lab**AVPROD2 - 8005  
AVPLAB2 - 8006 PEIMS - 13008610

Prerequisite: Audio/Video Production I  
 Grade Level: 12  
 Credit: 2

Building upon the concepts taught in Audio/Video Production I, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will develop an advanced understanding of the industry with a focus on pre-production, production, and post-production audio and visual products.

Through diverse forms of storytelling and production, students will exercise and develop creativity, intellectual curiosity, and critical-thinking, problem-solving, and collaborative skills. Requiring a lab requisite for the course affords necessary time devoted specifically to the production and post-production process.

\*This course is scheduled for two (2) class periods each day.

**Commercial Photography I**

CPHOTO1 - 8060 PEIMS - 13009100

Prerequisite: None  
 Grade Level: 9-12  
 Credit: 1

Students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs.

**Commercial Photography II**

CPHOTO2- 8076 PEIMS - 13009200

Prerequisite: Commercial Photography I  
 Grade Level: 10-12  
 Credit: 1

Students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.

### **Career Preparation I**

EXCAREE1 - 8064 PEIMS - 12701305

Prerequisite: Must be at least 16 years of age and have stable employment  
Grade Level: 11-12  
Credit: 3

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

\*Please see CTE Coordinator for application for Career Prep course. Proof of employment required

### **Career Preparation II**

EXCAREE2 - 8066 PEIMS - 12701405

Prerequisite: Successful completion of Career Preparation I; Must be at least 16 years of age and have stable employment  
Grade Level: 12  
Credit: 3

Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success. The goal is to prepare students for a variety of skills for a changing workplace.

\*Please see CTE Coordinator for application for Career Prep course. Proof of employment required

## **Business Management and Administration**

### **Professional Communications (Speech requirement)**

PROFCOMM - PEIMS - 13009900

Prerequisite: None  
Grade Level: 9-12  
Credit: .5

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct internet research.

\*this course meets the high school Speech graduation requirement

### **Dollars & Sense (paired with Professional Communications)**

DOLLARSE- PEIMS - 13024300

Prerequisite: None  
Grade Level: 9-12  
Credit: .5

Dollars and Sense focuses on consumer practices and responsibilities, money management processes, decision-making skills, impact of technology, and preparation for a sound financial future.



**Principles of Business, Marketing, and Finance**

PRINBMF - 8020 PEIMS - 13011200

Prerequisite: None  
Grade Level: 9-11  
Credit: 1

In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance.

**Business Information Management I**

BUSIM1 – 8018 PEIMS - 13011400

Prerequisite: None  
Grade Level: 10-12  
Credit: 1

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

**Business Information Management II / Business Lab**

BUSMLAB2 - 8031 PEIMS - 13011510

Prerequisite: Business Information Management I  
Grade Level: 11-12  
Credit: 2

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software. Business Lab is designed to provide students an opportunity to further enhance their skills. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

\*This course is scheduled for two (2) class periods each day.

**Practicum in Business Management**

PRACBM - 8026 PEIMS - 13012200

Prerequisite: None  
Grade Level: 12  
Credit: 2

Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

\*This course is scheduled for two (2) class periods each day.

### **Career Preparation I**

EXCAREE1 - 8064 PEIMS - 12701305

Prerequisite: Must be at least 16 years of age and have stable employment  
Grade Level: 11-12  
Credit: 3

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

\*Please see CTE Coordinator for application for Career Prep course. Proof of employment required

### **Career Preparation II**

EXCAREE2 - 8066 PEIMS - 12701405

Prerequisite: Successful completion of Career Preparation I; Must be at least 16 years of age and have stable employment  
Grade Level: 12  
Credit: 3

Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success. The goal is to prepare students for a variety of skills for a changing workplace.

\*Please see CTE Coordinator for application for Career Prep course. Proof of employment required

## **Education and Training**



**Education &  
Training**

### **Professional Communications (Speech requirement)**

PROFCOMM - PEIMS - 13009900

Prerequisite: None  
Grade Level: 9-12  
Credit: .5

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct internet research.

\*this course meets the high school Speech graduation requirement

### **Dollars & Sense (paired with Professional Communications)**

DOLLARSE- PEIMS - 13024300

Prerequisite: None  
Grade Level: 9-12  
Credit: .5

Dollars and Sense focuses on consumer practices and responsibilities, money management processes, decision-making skills, impact of technology, and preparation for a sound financial future.

### **Child Development**

CHILDDEV—7360 PEIMS - 13024700

Prerequisite: None  
Grade Level: 9-12  
Credit: 1

Child Development is a technical laboratory course that 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 wellbeing and healthy development of children and investigate careers related to the care and education of children.

**Instructional Practices**

INPREDTR—8051 PEIMS - 13014400

Prerequisite: Human Growth and Development  
Grade Level: 10-11  
Credit: 2

Instructional Practices is a field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators or trainers in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

**Practicum in Education and Training**

PRACEDT1 — 8053 PEIMS - 13014500

Prerequisite: Instructional Practices  
Grade Level: 11-12  
Credit: 2

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood, 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.

**Career Preparation I**

EXCAREE1 - 8064 PEIMS - 12701305

Prerequisite: Must be at least 16 years of age and have stable employment  
Grade Level: 11-12  
Credit: 3

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

\*Please see CTE Coordinator for application for Career Prep course. Proof of employment required

**Career Preparation II**

EXCAREE2 - 8066 PEIMS - 12701405

Prerequisite: Successful completion of Career Preparation I; Must be at least 16 years of age and have stable employment  
Grade Level: 12  
Credit: 3

Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success. The goal is to prepare students for a variety of skills for a changing workplace.

\*Please see CTE Coordinator for application for Career Prep course. Proof of employment required



## **Hospitality and Tourism**



**Hospitality  
& Tourism**

### **Professional Communications (Speech requirement)**

PROFCOMM - PEIMS - 13009900

Prerequisite: None  
Grade Level: 9-12  
Credit: .5

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct internet research.

\*this course meets the high school Speech graduation requirement

### **Dollars & Sense (paired with Professional Communications)**

DOLLARSE- PEIMS - 13024300

Prerequisite: None  
Grade Level: 9-12  
Credit: .5

Dollars and Sense focuses on consumer practices and responsibilities, money management processes, decision-making skills, impact of technology, and preparation for a sound financial future.

### **Culinary Arts**

CULARTS - 8049 PEIMS - 13022550

Prerequisite: None  
Grade Level: 10-12  
Credit: 2

Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking and includes management and production skills and techniques. Students can pursue a national sanitation certification or other appropriate industry certifications. This course is offered as a laboratory-based course.

### **Food Science**

FOODSCI – 8048 PEIMS - 13023000

Prerequisite: Biology, Chemistry and a third science  
Grade Level: 12  
Credit: 1

In Food Science, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public.

### **TSTC Dual Credit Culinary Arts**

#### **Career Preparation I**

EXCAREE1 - 8064 PEIMS - 12701305

Prerequisite: Must be at least 16 years of age and have stable employment  
Grade Level: 11-12  
Credit: 3

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

\*Please see CTE Coordinator for application for Career Prep course. Proof of employment required

## **Career Preparation II**

EXCAREE2 - 8066 PEIMS - 12701405

Prerequisite: Successful completion of Career Preparation I; Must be at least 16 years of age and have stable employment  
Grade Level: 12  
Credit: 3

Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success. The goal is to prepare students for a variety of skills for a changing workplace.

\*Please see CTE Coordinator for application for Career Prep course. Proof of employment required

## **Health Science**

### **Professional Communications (Speech requirement)**

PROFCOMM - PEIMS - 13009900

Prerequisite: None  
Grade Level: 9-12  
Credit: .5



Health Science

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct internet research.

\*this course meets the high school Speech graduation requirement

### **Dollars & Sense (paired with Professional Communications)**

DOLLARSE- PEIMS - 13024300

Prerequisite: None  
Grade Level: 9-12  
Credit: .5

Dollars and Sense focuses on consumer practices and responsibilities, money management processes, decision-making skills, impact of technology, and preparation for a sound financial future.

### **Medical Terminology**

MEDTERM – 7364 PEIMS - 13020300

Prerequisites: None  
Corequisite: Biology, Algebra I  
Grade level: 9-12  
Credit: 1

The Medical Terminology course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. This course allows students to achieve comprehension of medical vocabulary appropriate to medical procedure, human anatomy and physiology, and pathophysiology.

### **Health Science Theory**

HLTHSCI– 8078 PEIMS - 13020400

Prerequisites: Biology  
Corequisite: Chemistry, Geometry  
Grade level: 10-12  
Credit: 1

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

### **Anatomy and Physiology**

ANATPHYS – 2101 PEIMS - 13020600

Prerequisite: Biology and a second science credit  
Grade Level: 11-12  
Credit: 1

In Anatomy and Physiology, students conduct laboratory and field 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.

### **Pharmacology**

PHARMC - 8133 PEIMS - 13020950

Prerequisites: Biology and Chemistry  
Corequisite: Physics, Algebra II  
Grade level: 11-12  
Credit: 1

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

### **Pathophysiology**

PATHO - 8074 PEIMS - 13020800

Prerequisites: Biology and Chemistry  
Corequisite: Anatomy & Physiology, Mathematics for Medical Professionals  
Grade level: 11-12  
Credit: 1

The Pathophysiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology will study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. Students should know that some questions are outside the realm of science because they deal with phenomena that are not scientifically testable.

### **Optional Year 3 and/or 4: Greater Waco Advanced Healthcare Academy (GWAHCA)**

Prerequisite: Health Science Endorsement  
Grade Level: 11-12  
Credit: 4

This program includes extensive coursework in nursing, medical equipment technology, and soft skills needed by local healthcare employers. Students will take classes in a classroom setting and attend clinicals at a local nursing home. Year one, students will complete necessary coursework to qualify for the Certified Nursing Aide (CNA) certification. Year two, students will meet necessary requirements to qualify for the EKG Technician certification and Pharmacy Technician certification.

\*Students will attend GWAHCA half days in the morning. Students must have passing grades and good attendance to apply. Students must have passing scores on Biology, English I, English II, and Algebra EOCs.

### **Career Preparation I**

EXCAREE1 - 8064 PEIMS - 12701305

Prerequisite: Must be at least 16 years of age and have stable employment  
Grade Level: 11-12  
Credit: 3

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

\*Please see CTE Coordinator for application for Career Prep course. Proof of employment required

## **Career Preparation II**

EXCAREE2 - 8066

PEIMS - 12701405

Prerequisite: Successful completion of Career Preparation I; Must be at least 16 years of age and have stable employment  
Grade Level: 12  
Credit: 3

Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success. The goal is to prepare students for a variety of skills for a changing workplace.

\*Please see CTE Coordinator for application for Career Prep course. Proof of employment required

## **Human Services**

### **Professional Communications (Speech requirement)**

PROFCOMM -

PEIMS - 13009900

Prerequisite: None  
Grade Level: 9-12  
Credit: .5



Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct internet research.

\*this course meets the high school Speech graduation requirement

### **Dollars & Sense (paired with Professional Communications)**

DOLLARSE-

PEIMS - 13024300

Prerequisite: None  
Grade Level: 9-12  
Credit: .5

Dollars and Sense focuses on consumer practices and responsibilities, money management processes, decision-making skills, impact of technology, and preparation for a sound financial future.

### **Child Development**

CHILDDEV—7360

PEIMS - 13024700

Prerequisite: None  
Grade Level: 9-12  
Credit: 1

Child Development is a technical laboratory course that 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 wellbeing and healthy development of children and investigate careers related to the care and education of children.

### **Child Guidance**

CHILDGUI - 7359

PEIMS - 13024800

Prerequisite: None  
Grade Level: 10-12  
Credit: 2

Child Guidance is a technical laboratory course that addresses knowledge and skills related to child growth and guidance equipping students to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the wellbeing and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children, including those with special needs.

\*This course is scheduled for two (2) class periods each day.

### **Family and Community Services**

FAMCOSRV - 7365 PEIMS - 13024900

Prerequisite: None  
Grade Level: 10-12  
Credit: 1

Family and Community Services is a laboratory-based course is designed to involve students in realistic and meaningful community-based activities through direct service or service-learning experiences. Students are provided opportunities to interact with and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics.

### **Counseling and Mental Health**

COUNSMH - 7366 PEIMS - 13024600

Prerequisite: None  
Grade Level: 11-12  
Credit: 1

In Counseling and Mental Health, students will 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 on their actions and responsibilities, and the implications of their actions. Students understand how professional integrity in counseling and mental health care is dependent on acceptance of ethical and legal responsibilities.

### **Anatomy and Physiology**

ANATPHYS – 2101 PEIMS - 13020600

Prerequisite: Biology and a second science credit  
Grade Level: 11-12  
Credit: 1

In Anatomy and Physiology, students conduct laboratory and field 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.

### **Career Preparation I**

EXCAREE1 - 8064 PEIMS - 12701305

Prerequisite: Must be at least 16 years of age and have stable employment  
Grade Level: 11-12  
Credit: 3

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

\*Please see CTE Coordinator for application for Career Prep course. Proof of employment required

### **Career Preparation II**

EXCAREE2 - 8066 PEIMS - 12701405

Prerequisite: Successful completion of Career Preparation I; Must be at least 16 years of age and have stable employment  
Grade Level: 12  
Credit: 3

Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success. The goal is to prepare students for a variety of skills for a changing workplace.

\*Please see CTE Coordinator for application for Career Prep course. Proof of employment required

## **Law, Public Safety, Corrections, and Security**



**Law,  
Public Safety,  
Corrections  
& Security**

### **Professional Communications (Speech requirement)**

PROFCOMM - PEIMS - 13009900

Prerequisite: None  
Grade Level: 9-12  
Credit: .5

Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct internet research.

\*this course meets the high school Speech graduation requirement

### **Dollars & Sense (paired with Professional Communications)**

DOLLARSE- PEIMS - 13024300

Prerequisite: None  
Grade Level: 9-12  
Credit: .5

Dollars and Sense focuses on consumer practices and responsibilities, money management processes, decision-making skills, impact of technology, and preparation for a sound financial future.

### **Law Enforcement I**

LAWENF1 – 8071 PEIMS - 13029300

Prerequisite: None  
Grade Level: 9-12  
Credit: 1

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

### **Criminal Investigation**

CRINVEST - 8067 PEIMS - 13029550

Prerequisite: None  
Grade Level: 10-12  
Credit: 1

Criminal Investigation is a course that introduces students to the profession of criminal investigations. Students will understand basic function of criminal investigations and procedures and will learn how to investigate or follow up during investigations. Students will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation. Through case studies and simulated crime scenes, students will collect and analyze evidence such as fingerprint analysis, bodily fluids, hairs, fibers, shoe and tire impressions, bite marks, drugs, tool marks, firearms and ammunition, blood spatter, digital evidence, and other types of evidence.

**Forensic Science**

FORENSCI – 8077 PEIMS - 13029500

Prerequisite: Biology and Chemistry  
Grade Level: 11-12  
Credit: 1

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn technology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. Scientific methods of investigation can be experimental, descriptive, or comparative. The method chosen should be appropriate to the question being asked.

**Disaster Response**

DISRESP - 8072 PEIMS - N1303011

Prerequisite: None  
Grade Level: 9-12  
Credit: 1

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 could arrive. 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.

**Law Enforcement II**

LAWENF2 – 8079 PEIMS - 13029400

Prerequisite: Law Enforcement I  
Grade Level: 10-12  
Credit: 1

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

**Federal Law Enforcement and Protective Services**

FEDLEPS – 8068 PEIMS - 13029800

Prerequisite: None  
Grade Level: 11-12  
Credit: 1

Federal Law Enforcement and Protective Services provides the knowledge and skills necessary to prepare for certification in security services for federal law enforcement and protective services. This course provides an overview of security elements and types of organizations with a focus on security measures used to protect lives, property, and proprietary information, to ensure computer security, to provide information assurance, and to prevent cybercrime.

**Career Preparation I**

EXCAREE1 - 8064 PEIMS - 12701305

Prerequisite: Must be at least 16 years of age and have stable employment  
Grade Level: 11-12  
Credit: 3

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

\*Please see CTE Coordinator for application for Career Prep course. Proof of employment required

## **Career Preparation II**

EXCAREE2 - 8066

PEIMS - 12701405

Prerequisite: Successful completion of Career Preparation I; Must be at least 16 years of age and have stable employment  
Grade Level: 12  
Credit: 3

Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Career preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success. The goal is to prepare students for a variety of skills for a changing workplace.

\*Please see CTE Coordinator for application for Career Prep course. Proof of employment required

## **Technology Applications**

### **Computer Science I**

TACS1 - 8081

PEIMS - 03580200

Prerequisite: Algebra I  
Grade Level: 10-12  
Credit: 1

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

### **Computer Science II**

TACS2 - 8082

PEIMS - 03580300

Prerequisite: Algebra I, Computer Science I  
Grade Level: 11-12  
Credit: 1

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

### **Digital Art and Animation**

TADGAA – 8009

PEIMS - 03580500

Prerequisite: None  
Recommended Prerequisite: Art I  
Grade Level: 9-12  
Credit: 1

Digital Art and Animation consists of computer images and animations created with digital imaging software. Digital Art and Animation has applications in many careers, including graphic design, advertising, web design, animation, corporate communications, illustration, character development, script writing, storyboarding, directing, producing, inking, project management, editing, and the magazine, television, film, and game industries. Students in this course will produce various real-world projects and animations.



## **Web Design**

TAWEBDN – 8085

PEIMS - 03580820

Prerequisite: None  
Grade Level: 9-12  
Credit: 1

This is an introductory course in web design. In Web Design, students will demonstrate creative thinking and develop innovative products and processes using technology. Students will use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning experience of others. Student apply digital tools to gather, evaluate, and use information. Students use critical-thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. Students understand human, cultural, and societal issues related to technology and practices legal and ethical behavior. Students demonstrate a sound understanding of technology concepts, systems, and operations.

## **Dual Credit/Concurrent Enrollment**

High school students, who receive approval from their parents and school administrators, may enroll for concurrent credit (dual credit). This means that they may be granted credit by the college and the high school for college-level course work that is successfully completed. Dual Credit courses are the basis for the Early College High School Program. See your Counselor, the College and Career Counselor, or the ECHS Counselor for specific details.

College courses not offered during the school day on our campus, or courses without district-supported transportation to MCC/TSTC, will not be paid by the district, nor will tuition, books, or other fees. This includes night courses, summer courses, mini-semesters, and online courses that students take beyond their high school schedule.

Students are encouraged to take additional college courses but should be advised that these courses will be self-pay. Waiver students can still get the tuition waiver, but students are responsible for completing the proper paperwork at registration and will be responsible for any books and materials. The College and Career Counselor or ECHS Counselor can help with registration.

According to MCC guidelines, a dual credit student whose college grade point average (GPA) falls below 2.0 will no longer be allowed to enroll in any MCC course until after high school graduation. A grade of D (60-69) in a college course will be recorded on the college transcript as college credit, however this grade will be recorded as failing on the high school transcript, and the student will not earn high school credit for the correlated high school class. Depending on the student's college major, students may be required to retake the college course for college credit for a grade higher than the D. See your college advisor.

## **MCC Dual Credit Courses Most Frequently Offered On LVHS Campus**

### **English 1301 - Freshman Composition I-Fall Semester**

COLL ENG 1301A-12 – 0181

COLL ENG 1301A-11 – 0183

Prerequisite: TSI or TSI exempt status; English II Honors (suggested)  
Grade Level: 9-12  
Credit: 1 and 3 college credit hours  
Tuition & Fees: See College and Career Counselor or ECHS Counselor for details

Students enrolled in the college course will receive dual credit. The course will focus on developing core skills in reading, critical thinking, writing, and speaking. It emphasizes the writing process and includes standard language conventions. Prose analysis techniques commonly needed for college courses and career responsibilities are presented.

### **English 1302 - Freshman Composition II-Spring Semester**

COLL ENG 1302B-12 – 0182

COLL ENG 1302B-11 – 0184

Prerequisite: English 1301 with a grade of C or better  
Grade Level: 9 -12  
Credit: 1 and 3 college credit hours  
Tuition & Fees: See College and Career Counselor or ECHS Counselor for details

Students enrolled in this college course will receive dual credit. The course will focus on college-level research techniques while emphasizing the writing process of argumentation/persuasion and critical thinking skills. It refines core communication skills.

### **ENGL 2321 - British Literature**

COLL ENG 2321A - 0185

Prerequisite: English 1301 with a grade of C or better; English 1302 with a grade of C or better  
Grade Level: 11-12  
Credit: 1 and 3 college credit hours  
Tuition & Fees: See College and Career Counselor or ECHS Counselor for details

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

### **Math 1314 - College Algebra**

COLL ALG 1314A – 1121

Prerequisite: TSI or TSI exempt status; Algebra I, Geometry, Algebra II,  
Grade Level: 10-12  
Credit: 1 and 3 college credit hours  
Tuition & Fees: See College and Career Counselor or ECHS Counselor for details

Emphasizes problem-solving using application problems relevant to the world today. Includes the following mathematical topics: Linear and quadratic functions with graphs and use of models, composition of functions and inverse functions, systems of linear equations and inequalities, exponential and logarithmic functions, polynomial and rational functions, sequences and series.

### **US HISTORY DC 1301**

WHIST - 3028

Prerequisite: TSI Reading Passing Score  
Grade Level: 9-12  
Credit: .5 and 3 college credit hours  
Tuition & Fees: See College and Career Counselor or ECHS Counselor for details

A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United State History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government.

### **US HISTORY DC 1302**

WHIST - 3029

Prerequisite: TSI Reading Passing Score  
Grade Level: 10-12  
Credit: .5 and 3 college credit hours  
Tuition & Fees: See College and Career Counselor or ECHS Counselor for details

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

**GOVT DC 2305**

GOVT - 3041

Prerequisite: TSI Reading passing score; World History, U.S. History  
Grade Level: 9-12  
Credit: .5 and 3 college credit hours  
Tuition & Fees: See College and Career Counselor or ECHS Counselor for details

This course is designed to acquaint students with both the general concepts used to interpret United States politics and the analysis of specific case studies. This course in American Government is also designed to examine and analyze our basic governmental institutions (Congress, the courts, bureaucracy, and the Presidency), and processes (elections, political participation, freedoms inherent in the Bill of Rights, and citizenry responsibility). Dual Credit American Government is taught by a college instructor and requires additional reading and in-depth study.

**GOVT DC 2306 - Texas Government (Texas constitution & topics)**

GOVT - 3042

Prerequisite: TSI Reading passing score; World History, U.S. History  
Grade Level: 9-12  
Credit: .5 and 3 college credit hours  
Tuition & Fees: See College and Career Counselor or ECHS Counselor for details

Origin and development of the Texas Constitution, structure and powers of state and local government, federalism and intergovernmental relations, political participation, the election process, public policy, and the political culture of Texas.

**Economics Dual Credit ECON 2301 - 3091 Emphasis on the Free Enterprise System and its Benefits**

Prerequisite: World History, U.S. History, TSI Reading passing score  
Grade Level: 11-12  
Credit: .5 and 3 college credit hours  
Tuition & Fees: See College and Career Counselor or ECHS Counselor for details

Economics with Emphasis on the Free Enterprise System and Its Benefits is the culmination of the economic content and concepts studied from Kindergarten through required secondary courses. The focus is on the basic principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world. Students analyze the interaction of supply, demand, and price. Students will investigate the concepts of specialization and international trade, economic growth, key economic measurements, and monetary and fiscal policy. Students will study the roles of the Federal Reserve System and other financial institutions, government, and businesses in a free enterprise system. Types of business ownership and market structures are discussed. The course also incorporates instruction in personal financial literacy. Students apply critical-thinking skills using economic concepts to evaluate the costs and benefits of economic issues.

**Learning Framework (College Transition) EDUC 1300 - 0178**

Prerequisite: TSI Reading Passing Score  
Grade Level: 9-12  
Credit: .5 and 3 college credit hours  
Tuition & Fees: See College and Career Counselor or ECHS Counselor for details

A study of the: 1) research and theory in the psychology of learning, cognition, and motivation; 2) factors that impact learning, and 3) application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned.

**Art Appreciation Dual Credit ART 1301 - 6001**

Prerequisite: TSI Reading Passing Score  
Grade Level: 9-12  
Credit: 1 and 3 college credit hours  
Tuition & Fees: See College and Career Counselor or ECHS Counselor for details)

A general introduction to the visual arts to create an appreciation of the vocabulary, media, technique, and purposes of the creative process. Students will critically interpret and evaluate works of art within format, cultural, and historical contexts.

### **Music Appreciation Dual Credit MUSIC 1306 - 6120**

Prerequisite: TSI Reading Passing Score  
Grade Level: 9-12  
Credit: .5 and 3 college credit hours  
Tuition & Fees: See College and Career Counselor or ECHS Counselor for details

Understanding music through the study of cultural periods, major composers, and musical elements.

### **Business Computer Applications Dual Credit BCIS 1305 - 8022**

Prerequisite: TSI Reading Passing Score  
Grade Level: 9-12  
Credit: .5 and 3 college credit hours  
Tuition & Fees: See College and Career Counselor or ECHS Counselor for details

Teaches computer terminology, hardware, software, operating systems, and information systems relating to the business environment. The focus of this course is on business applications of software, including word-processing, spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet.

Required for students taking the Business Field of Study.

### **Public Speaking Dual Credit SPCH 1315 - 0305**

Prerequisite: TSI Reading Passing Score  
Grade Level: 9-12  
Credit: .5 and 3 college credit hours  
Tuition & Fees: See College and Career Counselor or ECHS Counselor for details

Application of communication theory and practice to the public speaking context, with emphasis on audience analysis, speaker delivery, ethics of communication, cultural diversity, and speech organizational techniques to develop students' speaking abilities, as well as ability to effectively evaluate oral presentations.

## **Other MCC Dual Credit Courses**

### **Chemistry 1411 General Inorganic Chemistry (Chemistry)**

Prerequisite: Credit for MATH 1314 or equivalent.  
Grade Level: 12<sup>th</sup> grade first semester or ECHS 10-12  
Credit: 1 and 4 college credit hours

Fundamental principles of chemistry for majors in the sciences, health sciences, and engineering; topics include measurements, fundamental properties of matter, states of matter, chemical reactions, chemical stoichiometry, periodicity of elemental properties, atomic structure, chemical bonding, molecular structure, solutions, properties of gases, and an introduction to thermodynamics and descriptive chemistry.

### **Chemistry 1412 General Inorganic Chemistry II (Chemistry)**

Prerequisite: CHEM 1411 with a grade of C or better.  
Grade Level: 12<sup>th</sup> grade second semester or ECHS 10-12  
Credit: 1 and 4 college credit hours

Chemical equilibrium, phase diagrams and spectrometry, acid-base concepts, thermodynamics kinetics, electrochemistry, nuclear chemistry, an introduction to organic chemistry and descriptive inorganic chemistry.

### **Math 1316 Trig**

Prerequisite: MATH 1314  
Grade: 11-12  
Credit: 1 and 3 college credit hours

In-depth study and applications of trigonometry including definitions, identities, inverse functions, solutions of equations, graphing, and solving triangles.

**Math 2412 Pre Cal**

Prerequisite: MATH 1314  
Grade: 11-12  
Credit: 1 and 3 college credit hours

In-depth combined study of algebra, trigonometry, and other topics for calculus readiness.

**Math 2413 Calculus 1**

Prerequisite: MATH 1314  
Grade: 11-12  
Credit: 1 and 4 college credit hours

In-depth combined study of algebra, trigonometry, and other topics for calculus readiness.

**Physics 1401 (Physics)**

Prerequisite: MATH 1316, 2412 or 2413 with a grade of C or better.  
Grade: 11-12  
Credit: 1 and 4 college credit hours

Fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces; with emphasis on problem solving.

**Psychology 2301 (General Psychology)**

Prerequisite: TSI Reading Passing Score  
Grade: 12<sup>th</sup> grade or ECHS 10-12  
Credit: 1 and 3 college credit hours

General Psychology is a survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes.

**Sociology 1301 Introduction to Sociology (Sociology)**

Prerequisite: TSI Reading Passing Score  
Grade: 12<sup>th</sup> grade or ECHS 10-12  
Credit: 1 and 3 college credit hours

The scientific study of human society, including ways in which groups, social institutions, and individuals affect each other. Causes of social stability and social change are explored through the application of various theoretical perspectives, key concepts, and related research methods of sociology.

**Spanish 1411-Beginning Spanish (Spanish III)**

Prerequisite: TSI Reading Passing Score  
Grade: 11-12  
Credit: 1 and 3 college credit hours

Basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework.

**Spanish 1412-Beginning Spanish II (Spanish III)**

Prerequisite: TSI Reading Passing Score  
Grade: 11-12  
Credit: 1 and 3 college credit hours

Continued development of basic Spanish language skills in listening, speaking reading, and writing within a cultural framework.

**Spanish 2311-Intermediate Spanish (Spanish IV)**

Prerequisite: SPAN 1412  
Grade: 11-12  
Credit: 1 and 3 college credit hours

The consolidation of skills acquired at the introductory level.

**Spanish 2312- Intermediate Spanish II (Spanish IV)**

Prerequisite: SPAN 2311, four years of high school Spanish, or consent of instructor or division chair.  
Grade: 11-12  
Credit: 1 and 3 college credit hours

The consolidation of skills acquired at the introductory level.

**For information on Career Dual Credit opportunities with MCC, see the CTE Coordinator and/or the College and Career Counselor or the ECHS Counselor.**

\*Admission approval contingent on passing the necessary TSI tests

**MCC Dual Credit Pathways**

For information concerning the process of admission, eligibility requirements, and pathways: <http://www.mclennan.edu/dual-credit/>

**For information on Career Dual Credit opportunities with TSTC, see the CTE Coordinator for enrollment information.**

**TSTC Dual Credit Pathways**

For information concerning the process of admission, eligibility requirements, and pathways: [de.tstc.edu/wac](http://de.tstc.edu/wac)

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**GRADUATION REQUIREMENTS**

<b>DISCIPLINE</b>	<b>FOUNDATION with ENDORSEMENTS</b>
<b>English</b>	<p align="center">Four credits:                      English 1                      English 2                      English 3                      An advanced English course</p>
<b>Math</b>	<p align="center">Four credits:                      Algebra I                      Geometry                      Algebra II                      An advanced math course</p>
<b>Science</b>	<p align="center">Four credits:                      Biology                      Three (3) additional science courses</p>
<b>Social Studies</b>	<p align="center">Three credits:                      U.S. History                      Government (½ credit)                      Economics FE (½ credit)                      World History or World Geography</p>
<b>Physical Education or Equivalent</b>	<p align="center">One (1) Credit</p>
<b>Language other than English</b>	<p align="center">Two (2) credits in the same language</p>
<b>Fine Arts</b>	<p align="center">One (1) credit</p>
<b>Elective</b>	<p align="center">Seven (7) credits</p>
<b>Endorsement (can choose more than one endorsement pathway)</b>	<p align="center">Arts &amp; Humanities                      Business &amp; Industry                      Multidisciplinary Studies                      Public Service                      STEM</p>
<b>Total</b>	<p align="center"><b>26</b></p>

# Campus College Readiness

## **SAT Test Dates**

Student must register online and be paid for (unless fee waiver qualifications are met) these testing dates are on Saturday and must be taken at MCC or Baylor:

June 2, 2018 (register by May 3)  
August 25, 2018 (register by July 27)  
October 6, 2018 (register by September 7)  
November 3, 2018 (register by October 5)  
December 1, 2018 (register by November 2)  
March 9, 2019 (register by February 8)  
May 4, 2019 (register by April 5)  
June 1, 2019 (register by May 3)

## **ACT Test Dates**

Student must register online and be paid for (unless fee waiver qualifications are met) These testing dates are on Saturday and must be taken at MCC or Baylor:

June 9, 2018 (register by May 4)  
July 14, 2018 (register by June 15)  
September 8, 2018 (register by August 3)  
October 27, 2018 (register by September 21)  
December 8, 2018 (register by November 2)  
February 9, 2019 (register by January 4)  
April 13, 2019 (register by March 8)  
June 8, 2019 (register by May 3)  
July 13, 2019 (register by June 14)

## **ASVAB (Armed Services Vocational Aptitude Battery) Test Date**

Tentative test date: November 15, 2019

## **TSI (Texas Success Initiative) Test Dates**

Students must register with the campus TSI Coordinator a week prior to test date and have completed necessary practice or remedial preparation.

September 27th, 2018 (Thursday) 8:30 am / 12:30 pm  
October 25th, 2018 (Thursday) 8:30 am / 12:30 pm  
November 29th, 2018 (Thursday) 8:30 am / 12:30 pm  
December 13th, 2018 (Thursday) 8:30 am / 12:30 pm  
January 24th, 2019 (Thursday) 8:30 am / 12:30 pm  
February 21st, 2019 (Thursday) 8:30 am / 12:30 pm  
March 28th, 2019 (Thursday) 8:30 am / 12:30 pm  
April 25th, 2019 (Thursday) 8:30 am / 12:30 pm

\*\*\*For unsuccessful scores on the TSI, the diagnostic assessment results must be submitted to the TSI Coordinator, and a course of remedial online modules must be completed before attempting to test again.

See the College & Career Center website for further information, registration, and practice materials:

[http://lvhs.lavegaisd.org/apps/pages/index.jsp?uREC\\_ID=434231&type=u&pREC\\_ID=670802](http://lvhs.lavegaisd.org/apps/pages/index.jsp?uREC_ID=434231&type=u&pREC_ID=670802)